

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008887.D
 Acq On : 19 May 2022 23:54
 Operator : KP/MD
 Sample : VY0519SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 20 02:56:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

05/24/2022
 Supervised By : Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	127343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	220494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	215803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118877	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	65641	55.564	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.120%	
35) Dibromofluoromethane	7.716	113	59451	46.147	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.300%	
50) Toluene-d8	10.179	98	242570	42.844	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 85.680%	
62) 4-Bromofluorobenzene	12.483	95	80968	40.344	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.680%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19624	21.219	ug/l	99
3) Chloromethane	2.113	50	28329	18.210	ug/l	92
4) Vinyl Chloride	2.247	62	41260	18.961	ug/l	97
5) Bromomethane	2.631	94	47290	30.746	ug/l	99
6) Chloroethane	2.790	64	31209	19.679	ug/l	98
7) Trichlorofluoromethane	3.119	101	38604	19.233	ug/l	95
8) Diethyl Ether	3.522	74	12410	21.995	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	23377	19.506	ug/l	96
10) Methyl Iodide	4.088	142	22843	17.314	ug/l	91
11) Tert butyl alcohol	4.948	59	12356	94.635	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	21326	19.736	ug/l	90
13) Acrolein	3.735	56	7340	113.639	ug/l	97
14) Allyl chloride	4.479	41	31688	19.937	ug/l #	87
15) Acrylonitrile	5.161	53	35599	93.042	ug/l	100
16) Acetone	3.942	43	26495	82.563	ug/l	97
17) Carbon Disulfide	4.192	76	61940	19.755	ug/l	98
18) Methyl Acetate	4.485	43	19749	20.806	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	65959	22.665	ug/l	96
20) Methylene Chloride	4.710	84	33449	24.082	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	26026	19.644	ug/l	87
22) Diisopropyl ether	6.119	45	79630	23.657	ug/l	98
23) Vinyl Acetate	6.058	43	251683	106.048	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	47557	21.293	ug/l	98
25) 2-Butanone	6.984	43	46515	93.823	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	38921	18.335	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	30679	20.877	ug/l	88
28) Bromochloromethane	7.332	49	19756	23.331	ug/l	91
29) Tetrahydrofuran	7.350	42	31132	94.264	ug/l #	87
30) Chloroform	7.503	83	50912	21.261	ug/l	94
31) Cyclohexane	7.783	56	41935	20.659	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	44563	20.072	ug/l	98
36) 1,1-Dichloropropene	7.917	75	38284	18.554	ug/l	99
37) Ethyl Acetate	7.076	43	21234	17.269	ug/l	96
38) Carbon Tetrachloride	7.899	117	38675	17.490	ug/l	99
39) Methylcyclohexane	9.185	83	45588	18.630	ug/l	88
40) Benzene	8.155	78	112148	19.425	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	12266m	18.969	ug/l	
42) 1,2-Dichloroethane	8.234	62	35087	20.703	ug/l	94
43) Isopropyl Acetate	8.271	43	40309	19.692	ug/l #	92
44) Trichloroethene	8.941	130	29517	18.794	ug/l	95
45) 1,2-Dichloropropane	9.216	63	28847	21.024	ug/l	97
46) Dibromomethane	9.307	93	17972	19.933	ug/l	93
47) Bromodichloromethane	9.496	83	40962	20.493	ug/l	96
48) Methyl methacrylate	9.289	41	17784	19.787	ug/l #	83
49) 1,4-Dioxane	9.295	88	4323	319.209	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	112350	92.975	ug/l	93
52) Toluene	10.246	92	76776	19.570	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	43184	20.800	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	45691	20.408	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	25229	20.577	ug/l	93
56) Ethyl methacrylate	10.508	69	31242	21.002	ug/l	88
57) 1,3-Dichloropropane	10.789	76	41836	20.752	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	75176	99.105	ug/l	95
59) 2-Hexanone	10.831	43	77620	89.900	ug/l	91
60) Dibromochloromethane	10.984	129	30214	20.528	ug/l	99
61) 1,2-Dibromoethane	11.087	107	24302	19.876	ug/l	99
64) Tetrachloroethene	10.721	164	25642	18.562	ug/l	98
65) Chlorobenzene	11.514	112	83370	19.088	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	31080	19.478	ug/l	98
67) Ethyl Benzene	11.593	91	145581	18.665	ug/l	96
68) m/p-Xylenes	11.703	106	117049	37.669	ug/l	91
69) o-Xylene	12.032	106	54721	19.059	ug/l	94
70) Styrene	12.044	104	94049	19.351	ug/l	95
71) Bromoform	12.209	173	19759	18.241	ug/l #	97
73) Isopropylbenzene	12.331	105	146648	17.987	ug/l	99
74) N-amyl acetate	12.142	43	37504	19.272	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	33064	18.242	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	24283m	17.684	ug/l	
77) Bromobenzene	12.611	156	35149	18.606	ug/l	95
78) n-propylbenzene	12.672	91	183495	18.320	ug/l	100
79) 2-Chlorotoluene	12.758	91	101803	18.765	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	123606	18.777	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	10245	16.319	ug/l	88
82) 4-Chlorotoluene	12.855	91	104933	18.309	ug/l	95
83) tert-Butylbenzene	13.075	119	111171	18.779	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	123099	18.890	ug/l	96
85) sec-Butylbenzene	13.252	105	170836	18.496	ug/l	100
86) p-Isopropyltoluene	13.373	119	140718	18.685	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	72627	18.297	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	75535	19.238	ug/l	99
89) n-Butylbenzene	13.697	91	130525	18.259	ug/l	100
90) Hexachloroethane	13.965	117	27492	19.307	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	67162	19.348	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5397	17.415	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	36240	19.118	ug/l	97
94) Hexachlorobutadiene	15.117	225	19861	18.208	ug/l	100
95) Naphthalene	15.239	128	75580	17.836	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	31634	18.997	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

05/24/2022

Abundance

TIC: VY008887.D\data.ms

Dadada

05/24/2022

Time-->

600000

580000

560000

540000

520000

500000

480000

460000

440000

420000

400000

380000

360000

340000

320000

300000

280000

260000

240000

220000

200000

180000

160000

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120000

100000

80000

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2.00

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5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

Dichlorodifluoromethane, T

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

Acetone, T

1,1,1-Trichloroethane, T

Methyl Carbon Disulfide, T

Methyl Acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methyl 1,2-Dichloroethane, T

1,1-Dichloroethane, T

Isopropyl acetate, T

Ethyl Acetate, T

2,2,4,4-Tetrafluoropentane, T

Methylcyclopentanethane, T

Chloroform, C

1,1,1-Trichloroethane, T

1,1,2-Dichloroethane, T

Isopropyl acetate, T

1,4-Dichlorobenzene, T

1,4-Difluorobenzene, T

Trichloroethene, TM

Methylcyclopentanethane, T

Methylcyclopentanethane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, CM

Ethyl methylacetylenepropene, T

1,1,2-Trichloroethane, T

1,3-Dichloropropane, T

1,2-Dibromobenzene, T

Chlorobenzene, PM

1,1,1,2-Tetrachloroethane, T

1,1,2-Trichloroethane, T

Styrene, T

Bromoforn, T

N-ethyl acetate, T

trans-1,4-Dichloro-2-butene, T

1,1,2-Trichloroethane, T

1,1,2-Trichloroethane, T

Bromobenzene, T

1,2-Dichlorobenzene, T

1,2,4-Trichlorobenzene, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,2,4-Trimethylbenzene, T

1,4-Dichlorobenzene, T

n-Butylbenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T

Chlorobenzene-d5, I

Toluene-d8, S

p-Isopropylchlorobenzene, T

o-Isopropylchlorobenzene, T

m-Isopropylchlorobenzene, T