

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042922\
 Data File : VY008569.D
 Acq On : 29 Apr 2022 19:05
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2022
 Supervised By : Mahesh Dadoda 05/02/2022

Quant Time: Apr 30 00:41:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	111431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	184890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	173646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54585	41.632	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.260%		
35) Dibromofluoromethane	7.716	113	55204	46.264	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.520%		
50) Toluene-d8	10.179	98	212858	44.990	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.980%		
62) 4-Bromofluorobenzene	12.483	95	94572	58.859	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	117.720%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	40157	39.684	ug/l	98
3) Chloromethane	2.113	50	70744	44.429	ug/l	95
4) Vinyl Chloride	2.247	62	95533	46.173	ug/l	98
5) Bromomethane	2.650	94	80990	42.099	ug/l	99
6) Chloroethane	2.796	64	63936	46.450	ug/l	99
7) Trichlorofluoromethane	3.125	101	87728	40.931	ug/l	93
8) Diethyl Ether	3.528	74	27259	36.952	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.899	101	53318	41.789	ug/l	93
10) Methyl Iodide	4.088	142	66092	39.677	ug/l	92
11) Tert butyl alcohol	4.954	59	24202	174.932	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	48314	40.109	ug/l	82
13) Acrolein	3.723	56	12052	86.338	ug/l	97
14) Allyl chloride	4.479	41	66335	42.191	ug/l #	87
15) Acrylonitrile	5.161	53	70110	185.881	ug/l	96
16) Acetone	3.942	43	47682	156.137	ug/l	90
17) Carbon Disulfide	4.192	76	139545	38.319	ug/l	100
18) Methyl Acetate	4.473	43	30174	35.232	ug/l #	83
19) Methyl tert-butyl Ether	5.222	73	147227	38.628	ug/l	93
20) Methylene Chloride	4.710	84	67328	41.321	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	60657	41.281	ug/l #	82
22) Diisopropyl ether	6.119	45	157426	41.462	ug/l #	94
23) Vinyl Acetate	6.058	43	526056	202.090	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	101064	42.762	ug/l	96
25) 2-Butanone	6.984	43	86453	182.987	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	93098	42.531	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	70976	42.229	ug/l	82
28) Bromochloromethane	7.332	49	42208	44.274	ug/l #	77
29) Tetrahydrofuran	7.344	42	57049	187.477	ug/l #	75
30) Chloroform	7.502	83	110502	42.559	ug/l	97
31) Cyclohexane	7.783	56	86816	40.278	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	100674	44.281	ug/l	96
36) 1,1-Dichloropropene	7.917	75	82956	43.705	ug/l	96
37) Ethyl Acetate	7.070	43	41224	39.272	ug/l #	93
38) Carbon Tetrachloride	7.899	117	89438	45.352	ug/l	97
39) Methylcyclohexane	9.179	83	110578	45.500	ug/l #	86
40) Benzene	8.161	78	245710	44.372	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	20389m	40.053	ug/l	
42) 1,2-Dichloroethane	8.234	62	70004	41.990	ug/l	90
43) Isopropyl Acetate	8.271	43	78941	40.890	ug/l #	87
44) Trichloroethene	8.941	130	69027	45.246	ug/l	98
45) 1,2-Dichloropropane	9.216	63	59656	44.862	ug/l	94
46) Dibromomethane	9.301	93	38061	40.854	ug/l	95
47) Bromodichloromethane	9.496	83	87994	44.494	ug/l	97
48) Methyl methacrylate	9.289	41	34046	41.476	ug/l #	78
49) 1,4-Dioxane	9.295	88	9499	808.573	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	209797	206.578	ug/l #	87
52) Toluene	10.246	92	167182	45.653	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	91775	43.273	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	100937	42.948	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	53964	42.439	ug/l	98
56) Ethyl methacrylate	10.508	69	70920	43.196	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	87978	42.385	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	185058	205.666	ug/l	91
59) 2-Hexanone	10.831	43	145367	208.001	ug/l	83
60) Dibromochloromethane	10.984	129	64020	43.823	ug/l	99
61) 1,2-Dibromoethane	11.087	107	52229	41.530	ug/l	99
64) Tetrachloroethene	10.721	164	60571	47.037	ug/l	99
65) Chlorobenzene	11.514	112	180729	46.030	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	67730	46.723	ug/l	97
67) Ethyl Benzene	11.593	91	325479	47.765	ug/l	98
68) m/p-Xylenes	11.703	106	262786	96.277	ug/l	91
69) o-Xylene	12.032	106	124784	47.487	ug/l	90
70) Styrene	12.044	104	212565	48.002	ug/l	94
71) Bromoform	12.209	173	39584	43.573	ug/l #	98
73) Isopropylbenzene	12.331	105	331943	34.209	ug/l	99
74) N-amyl acetate	12.142	43	74418	31.039	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.587	83	76501	35.285	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	67060m	40.488	ug/l	
77) Bromobenzene	12.611	156	109234	46.158	ug/l	78
78) n-propylbenzene	12.672	91	475967	40.894	ug/l	94
79) 2-Chlorotoluene	12.758	91	270950	41.361	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	344369	42.756	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	21460	30.058	ug/l	85
82) 4-Chlorotoluene	12.855	91	269633	39.720	ug/l	91
83) tert-Butylbenzene	13.075	119	333182	47.652	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	361403	45.223	ug/l	96
85) sec-Butylbenzene	13.258	105	480752	45.560	ug/l	96
86) p-Isopropyltoluene	13.373	119	415090	46.972	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	217808	45.972	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	214115	45.621	ug/l	98
89) n-Butylbenzene	13.696	91	340012	42.392	ug/l	96
90) Hexachloroethane	13.965	117	58286	36.686	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	186317	44.226	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9342	28.672	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	75532	32.210	ug/l	99
94) Hexachlorobutadiene	15.117	225	40459	35.361	ug/l	99
95) Naphthalene	15.239	128	163166	30.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	65866	32.090	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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Abundance

TIC: VY008569.D\data.ms

Time-->

1400000

1350000

1300000

1250000

1200000

1150000

1100000

1050000

1000000

950000

900000

850000

800000

750000

700000

650000

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

0

2.00

3.00

4.00

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

Methyl acetate, T

Methyl alcohol, T

Acrylonitrile, T

1,1-Dichloroethane, T

1,2-Dichloroethane, T

Ethyl acetate, T

Methylacrylonitrile, T

Chloroform, C

Dibromodichloromethane, T

1,2-Dichloroethane, T

1,4-Difluorobenzene, T

Trichloroethene, TM

Methylcyclohexane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

2-Methyl-2-Pentanol, T

Toluene, CM

Ethyl acetate, T

Chlorobenzene, T

Bromoform, T

Methyl acetate, T

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

1,2,3-Trichloropropane, T

1,2-Dichloropropane, T

1,2-Dibromodichloromethane, T

1,2-Dichloroethane, T

1,4-Dichlorobenzene, 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

1,3-Dichlorobenzene, T

1,2,4-Trimethylbenzene, T

sec-Butylbenzene, T

n-Butylbenzene, T

1,3-Dichlorobenzene, T

Propyltoluene, T