

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041921\
 Data File : VY004488.D
 Acq On : 19 Apr 2021 11:14
 Operator : SY/MD
 Sample : VY0419SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0419SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2021 9:45:27 AM

Quant Time: Apr 20 01:45:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	150278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	245756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	222707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104333	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	91088	54.55	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.10%			
35) Dibromofluoromethane	7.728	113	73663	54.01	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.02%			
50) Toluene-d8	10.185	98	312567	53.88	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.76%			
62) 4-Bromofluorobenzene	12.483	95	102527	52.08	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	27800	19.97	ug/l	98
3) Chloromethane	2.119	50	44049	21.88	ug/l	96
4) Vinyl Chloride	2.259	62	43111m	20.27	ug/l	
5) Bromomethane	2.649	94	24001	23.13	ug/l	100
6) Chloroethane	2.796	64	28199	22.12	ug/l	97
7) Trichlorofluoromethane	3.131	101	55003	20.68	ug/l	99
8) Diethyl Ether	3.539	74	20226	22.50	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.911	101	31618	21.43	ug/l	99
10) Methyl Iodide	4.106	142	35518	20.12	ug/l	99
11) Tert butyl alcohol	4.972	59	18611	113.10	ug/l	100
12) 1,1-Dichloroethene	3.881	96	31477	21.58	ug/l	98
13) Acrolein	3.741	56	19582	107.05	ug/l	100
14) Allyl chloride	4.491	41	62325	22.34	ug/l	97
15) Acrylonitrile	5.179	53	56266	116.68	ug/l	100
16) Acetone	3.960	43	42415	108.83	ug/l	96
17) Carbon Disulfide	4.204	76	97496	21.71	ug/l	100
18) Methyl Acetate	4.491	43	26661	22.92	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	95691	21.83	ug/l	99
20) Methylene Chloride	4.728	84	37655	23.35	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	35751	21.66	ug/l	98
22) Diisopropyl ether	6.130	45	132362	22.44	ug/l	97
23) Vinyl Acetate	6.069	43	454171	113.13	ug/l	98
24) 1,1-Dichloroethane	6.027	63	67285	22.33	ug/l	99
25) 2-Butanone	6.996	43	75873	119.29	ug/l	99
26) 2,2-Dichloropropane	6.996	77	58832	21.76	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	40240	21.79	ug/l	98
28) Bromochloromethane	7.344	49	29854	21.80	ug/l	95
29) Tetrahydrofuran	7.362	42	51810	114.01	ug/l	98
30) Chloroform	7.514	83	65587	22.15	ug/l	99
31) Cyclohexane	7.795	56	63989	20.91	ug/l	97
32) 1,1,1-Trichloroethane	7.709	97	56960	21.21	ug/l	98
36) 1,1-Dichloropropene	7.923	75	50939	20.86	ug/l	98
37) Ethyl Acetate	7.088	43	35841	22.79	ug/l	98
38) Carbon Tetrachloride	7.905	117	43788	20.74	ug/l	92
39) Methylcyclohexane	9.185	83	61393	20.42	ug/l	98
40) Benzene	8.167	78	149932	21.85	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	21558m	22.62	ug/l	
42) 1,2-Dichloroethane	8.246	62	46143	21.43	ug/l	99
43) Isopropyl Acetate	8.283	43	67085	22.50	ug/l	98
44) Trichloroethene	8.947	130	40514	21.65	ug/l	99
45) 1,2-Dichloropropane	9.221	63	38996	22.02	ug/l	98
46) Dibromomethane	9.307	93	20926	21.70	ug/l	98
47) Bromodichloromethane	9.502	83	51381	22.01	ug/l	100
48) Methyl methacrylate	9.295	41	31349	22.83	ug/l	98
49) 1,4-Dioxane	9.307	88	5287	419.81	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	173019	112.98	ug/l	99
52) Toluene	10.246	92	93175	20.98	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	55869	21.70	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	61794	21.13	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	29272	22.03	ug/l	96
56) Ethyl methacrylate	10.514	69	41958	21.78	ug/l	99
57) 1,3-Dichloropropane	10.794	76	52798	22.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	107998	109.55	ug/l	99
59) 2-Hexanone	10.837	43	117046	114.02	ug/l	99
60) Dibromochloromethane	10.989	129	33746	21.37	ug/l	100
61) 1,2-Dibromoethane	11.093	107	28293	22.09	ug/l	100
64) Tetrachloroethene	10.721	164	41497	21.40	ug/l	96
65) Chlorobenzene	11.520	112	96073	21.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	33729	20.79	ug/l	99
67) Ethyl Benzene	11.593	91	175950	20.69	ug/l	99
68) m/p-Xylenes	11.709	106	132444	41.92	ug/l	98
69) o-Xylene	12.032	106	60937	20.58	ug/l	99
70) Styrene	12.050	104	101859	20.77	ug/l	99
71) Bromoform	12.215	173	20184	20.98	ug/l #	100
73) Isopropylbenzene	12.331	105	166012	20.59	ug/l	100
74) N-amyl acetate	12.148	43	59801	22.03	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	33120	21.71	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	24934m	22.27	ug/l	
77) Bromobenzene	12.611	156	37771	20.90	ug/l	99
78) n-propylbenzene	12.672	91	199962	21.00	ug/l	99
79) 2-Chlorotoluene	12.757	91	108794	20.89	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	137479	20.98	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	12673	20.25	ug/l	97
82) 4-Chlorotoluene	12.861	91	114708	20.85	ug/l	98
83) tert-Butylbenzene	13.080	119	115656	20.62	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	138327	20.92	ug/l	100
85) sec-Butylbenzene	13.257	105	163632	20.91	ug/l	99
86) p-Isopropyltoluene	13.373	119	146032	20.52	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	71883	21.30	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	71533	21.05	ug/l	100
89) n-Butylbenzene	13.696	91	141283	20.80	ug/l	99
90) Hexachloroethane	13.964	117	20562	21.53	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	62419	20.83	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5479	20.02	ug/l	93
93) 1,2,4-Trichlorobenzene	15.013	180	41810	21.11	ug/l	99
94) Hexachlorobutadiene	15.117	225	20953	20.26	ug/l	100
95) Naphthalene	15.239	128	91910	21.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	37006	21.17	ug/l	99

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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

MMDadoda
4/20/2021 9:45:27 AM

Abundance

TIC: VY004488.D\data.ms

Time-->

600000

580000

560000

540000

520000

500000

480000

460000

440000

420000

400000

380000

360000

340000

320000

300000

280000

260000

240000

220000

200000

180000

160000

140000

120000

100000

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60000

40000

20000

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2.00

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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

1,1,2,2-Tetrachloroethane, T

Methyl iodide, T

Carbon Disulfide, T

Methyl Acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methyl 2,2-Dichloroacetate, T

1,1-Dichloroethane, P

Diisopropyl ether, T

Vinyl Acetate, T

2,2,4,4-Tetrachloropentane, T

Ethyl Acetate, T

Methyl 2,2-Dichloroacetate, T

Chloroform, C

1,1,1-Trichloroethane, T

Carbon Dioxide, T

1,2-Dichloroethane, T

Isopropyl acetate, T

1,4-Difluorobenzene, I

Trichloroethene, TM

Methylcyclohexane, T

Dibromochloromethane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, CM

2-Chloroethoxyethane, T

2-Hexanone, T

1,2-Dibromoethane, T

Ethyl methyl 2,2-dichloropropionate, T

1,1,2-Trichloroethane, T

1,3-Dichloropropane, T

Dibromochloromethane, T

Chlorobenzene, PM

Ethyl Benzene, T

Chlorobenzene-d5, I

Chlorobenzene-d4, I

Styrene, T

o-Xylene, T

N-amyl acetate, T

Bromotoluene, P

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

Isopropylbenzene, T

4-Bromofluorobenzene, S

Bromobenzene, T

n-propylbenzene, T

1,3,5-Trimethylbenzene, T

2-Chlorotoluene, T

4-Chlorotoluene, T

tert-Butylbenzene, T

1,2,4-Trimethylbenzene, T

sec-Butylbenzene, 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

Hexachlorocyclopentadiene, I

Naphthalene, I

1,2,3-Trichlorobenzene, T