

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011922\
 Data File : VY007219.D
 Acq On : 19 Jan 2022 13:00
 Operator : SY/MD
 Sample : VY0119SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0119SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/20/2022
 Supervised By : Mahesh Dadoda 01/20/2022

Quant Time: Jan 20 00:16:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	115516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	195305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	175012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70587	49.800	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.600%		
35) Dibromofluoromethane	7.722	113	63149	47.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.640%		
50) Toluene-d8	10.185	98	221973	46.000	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.000%		
62) 4-Bromofluorobenzene	12.483	95	82006	47.775	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	6728	16.610	ug/l	96
3) Chloromethane	2.119	50	15305	18.018	ug/l	97
4) Vinyl Chloride	2.260	62	23269	18.822	ug/l	99
5) Bromomethane	2.656	94	15786	19.720	ug/l	94
6) Chloroethane	2.796	64	15265	19.790	ug/l	97
7) Trichlorofluoromethane	3.131	101	26858	20.159	ug/l	95
8) Diethyl Ether	3.528	74	14263	19.441	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	25088	19.327	ug/l	97
10) Methyl Iodide	4.095	142	36304	18.909	ug/l	96
11) Tert butyl alcohol	4.960	59	13139	105.942	ug/l	99
12) 1,1-Dichloroethene	3.875	96	24466	18.717	ug/l	98
13) Acrolein	3.735	56	3732	120.072	ug/l	96
14) Allyl chloride	4.479	41	41909	19.996	ug/l	96
15) Acrylonitrile	5.174	53	36775	104.295	ug/l	97
16) Acetone	3.948	43	35118	95.468	ug/l	100
17) Carbon Disulfide	4.198	76	61214	16.863	ug/l	100
18) Methyl Acetate	4.479	43	31149	23.798	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	55122	21.420	ug/l	95
20) Methylene Chloride	4.722	84	28919	19.012	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	26710	18.848	ug/l	99
22) Diisopropyl ether	6.125	45	88900	20.937	ug/l	98
23) Vinyl Acetate	6.064	43	243863	97.660	ug/l	97
24) 1,1-Dichloroethane	6.021	63	52442	20.303	ug/l	100
25) 2-Butanone	6.990	43	51110	107.466	ug/l	96
26) 2,2-Dichloropropane	6.984	77	38119	20.250	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	31666	19.699	ug/l	97
28) Bromochloromethane	7.338	49	17454	18.681	ug/l	93
29) Tetrahydrofuran	7.350	42	32319	105.713	ug/l	97
30) Chloroform	7.509	83	55944	20.846	ug/l	95
31) Cyclohexane	7.789	56	45805	19.115	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	45630	19.892	ug/l	97
36) 1,1-Dichloropropene	7.923	75	40711	19.302	ug/l	99
37) Ethyl Acetate	7.076	43	22516	20.801	ug/l	96
38) Carbon Tetrachloride	7.905	117	43319	19.526	ug/l	98
39) Methylcyclohexane	9.185	83	48532	18.845	ug/l	99
40) Benzene	8.167	78	109621	19.484	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	12558m	20.146	ug/l	
42) 1,2-Dichloroethane	8.240	62	37005	20.887	ug/l	98
43) Isopropyl Acetate	8.277	43	43305	20.561	ug/l	96
44) Trichloroethene	8.947	130	29684	19.497	ug/l	96
45) 1,2-Dichloropropane	9.222	63	28869	20.178	ug/l	90
46) Dibromomethane	9.307	93	17036	20.135	ug/l	97
47) Bromodichloromethane	9.502	83	42726	20.542	ug/l	98
48) Methyl methacrylate	9.295	41	19793	20.661	ug/l	93
49) 1,4-Dioxane	9.301	88	3908	428.392	ug/l #	78
51) 4-Methyl-2-Pentanone	10.075	43	113106	105.911	ug/l	95
52) Toluene	10.246	92	72085	20.213	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	44442	20.241	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	49116	19.984	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	22880	19.937	ug/l	96
56) Ethyl methacrylate	10.514	69	32740	20.250	ug/l	92
57) 1,3-Dichloropropane	10.795	76	40435	20.214	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	80266	109.182	ug/l	98
59) 2-Hexanone	10.831	43	76085	104.979	ug/l	97
60) Dibromochloromethane	10.990	129	28400	20.131	ug/l	100
61) 1,2-Dibromoethane	11.093	107	22441	19.904	ug/l	99
64) Tetrachloroethene	10.721	164	23994	19.020	ug/l	96
65) Chlorobenzene	11.520	112	75498	19.729	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	28045	19.770	ug/l	99
67) Ethyl Benzene	11.593	91	142402	19.799	ug/l	98
68) m/p-Xylenes	11.703	106	104271	39.012	ug/l	99
69) o-Xylene	12.032	106	49716	19.752	ug/l	98
70) Styrene	12.044	104	83639	19.697	ug/l	99
71) Bromoform	12.209	173	16924	20.626	ug/l #	96
73) Isopropylbenzene	12.331	105	133994	19.302	ug/l	100
74) N-amyl acetate	12.148	43	38967	20.991	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	26840	19.883	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18267m	19.932	ug/l	
77) Bromobenzene	12.611	156	29666	19.640	ug/l	97
78) n-propylbenzene	12.672	91	166721	19.374	ug/l	100
79) 2-Chlorotoluene	12.758	91	93825	19.610	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	111841	19.622	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	9937	19.850	ug/l #	100
82) 4-Chlorotoluene	12.855	91	96980	19.431	ug/l	99
83) tert-Butylbenzene	13.075	119	98257	19.950	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	111178	19.678	ug/l	100
85) sec-Butylbenzene	13.258	105	145115	19.695	ug/l	98
86) p-Isopropyltoluene	13.373	119	119670	19.764	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	57883	19.578	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	58306	19.612	ug/l	99
89) n-Butylbenzene	13.696	91	118486	19.874	ug/l	98
90) Hexachloroethane	13.965	117	23472	19.828	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	51561	19.600	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4625	19.838	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	31254	19.537	ug/l	99
94) Hexachlorobutadiene	15.111	225	16161	19.602	ug/l	99
95) Naphthalene	15.239	128	66844	19.673	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	26862	19.682	ug/l	100

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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

