

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011922\
 Data File : VY007218.D
 Acq On : 19 Jan 2022 12:37
 Operator : SY/MD
 Sample : VY0119SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0119SBS01

Quant Time: Jan 20 00:15:47 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	117810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	198831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	176851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	72341	50.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.722	113	65001	48.347	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.700%			
50) Toluene-d8	10.185	98	233824	47.597	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.200%			
62) 4-Bromofluorobenzene	12.483	95	83967	48.050	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.100%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.924	85	6202	15.014	ug/l	95
3) Chloromethane	2.119	50	15785	18.222	ug/l	96
4) Vinyl Chloride	2.259	62	23168	18.376	ug/l	97
5) Bromomethane	2.662	94	15477	18.957	ug/l	99
6) Chloroethane	2.802	64	15076	19.164	ug/l	95
7) Trichlorofluoromethane	3.131	101	24115	17.747	ug/l	93
8) Diethyl Ether	3.534	74	14647	19.575	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	24523	18.524	ug/l	97
10) Methyl Iodide	4.088	142	35569	18.165	ug/l	96
11) Tert butyl alcohol	4.966	59	11651	91.475	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	23665	17.752	ug/l	96
13) Acrolein	3.729	56	3509	109.341	ug/l	100
14) Allyl chloride	4.485	41	41731	19.523	ug/l	97
15) Acrylonitrile	5.167	53	36260	100.832	ug/l	97
16) Acetone	3.954	43	33871	90.285	ug/l	96
17) Carbon Disulfide	4.198	76	59350	16.032	ug/l	98
18) Methyl Acetate	4.479	43	29984	22.462	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	54607	20.807	ug/l	92
20) Methylene Chloride	4.716	84	29377	18.937	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	26141	18.088	ug/l	95
22) Diisopropyl ether	6.125	45	87512	20.209	ug/l	99
23) Vinyl Acetate	6.064	43	245195	96.282	ug/l	98
24) 1,1-Dichloroethane	6.027	63	50793	19.282	ug/l	98
25) 2-Butanone	6.990	43	50312	103.728	ug/l	97
26) 2,2-Dichloropropane	6.990	77	36918	19.230	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	31103	18.972	ug/l	97
28) Bromochloromethane	7.338	49	16893	17.729	ug/l	92
29) Tetrahydrofuran	7.350	42	31092	99.720	ug/l	97
30) Chloroform	7.508	83	54384	19.870	ug/l	96
31) Cyclohexane	7.789	56	44223	18.095	ug/l #	96
32) 1,1,1-Trichloroethane	7.704	97	45280	19.355	ug/l	98
36) 1,1-Dichloropropene	7.923	75	39847	18.557	ug/l	98
37) Ethyl Acetate	7.076	43	22863	20.747	ug/l	97
38) Carbon Tetrachloride	7.905	117	41490	18.370	ug/l	98
39) Methylcyclohexane	9.185	83	46873	17.878	ug/l	95
40) Benzene	8.161	78	106748	18.637	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11002	17.337	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	36156	20.046	ug/l	98
43) Isopropyl Acetate	8.277	43	43809	20.431	ug/l	96
44) Trichloroethene	8.941	130	28892	18.640	ug/l	87
45) 1,2-Dichloropropane	9.222	63	27783	19.074	ug/l	91
46) Dibromomethane	9.307	93	16683	19.369	ug/l	97
47) Bromodichloromethane	9.502	83	42799	20.212	ug/l	98
48) Methyl methacrylate	9.295	41	19674	20.172	ug/l	94
49) 1,4-Dioxane	9.301	88	3382	364.158	ug/l #	82
51) 4-Methyl-2-Pentanone	10.075	43	109644	100.848	ug/l	96
52) Toluene	10.246	92	70290	19.360	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	43435	19.432	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	47237	18.879	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	22707	19.435	ug/l	95
56) Ethyl methacrylate	10.514	69	32142	19.528	ug/l	93
57) 1,3-Dichloropropane	10.794	76	40300	19.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	79164	105.773	ug/l	98
59) 2-Hexanone	10.837	43	75572	102.422	ug/l	95
60) Dibromochloromethane	10.990	129	28009	19.502	ug/l	99
61) 1,2-Dibromoethane	11.093	107	22343	19.466	ug/l	99
64) Tetrachloroethene	10.721	164	22128	17.359	ug/l	97
65) Chlorobenzene	11.520	112	72770	18.818	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	27776	19.377	ug/l	98
67) Ethyl Benzene	11.599	91	135855	18.692	ug/l	98
68) m/p-Xylenes	11.709	106	101345	37.523	ug/l	99
69) o-Xylene	12.032	106	48150	18.931	ug/l	99
70) Styrene	12.050	104	81749	19.052	ug/l	98
71) Bromoform	12.215	173	16320	19.683	ug/l #	96
73) Isopropylbenzene	12.337	105	129696	18.310	ug/l	99
74) N-amyl acetate	12.148	43	36926	19.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	26279	19.079	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	22424m	23.980	ug/l	
77) Bromobenzene	12.611	156	28168	18.276	ug/l	96
78) n-propylbenzene	12.672	91	160581	18.288	ug/l	99
79) 2-Chlorotoluene	12.764	91	91194	18.680	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	108894	18.724	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	9212	18.035	ug/l #	95
82) 4-Chlorotoluene	12.861	91	94088	18.475	ug/l	99
83) tert-Butylbenzene	13.081	119	94983	18.901	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	106988	18.559	ug/l	100
85) sec-Butylbenzene	13.257	105	138184	18.380	ug/l	100
86) p-Isopropyltoluene	13.373	119	113277	18.335	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	56785	18.823	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	56260	18.546	ug/l	98
89) n-Butylbenzene	13.702	91	112289	18.459	ug/l	100
90) Hexachloroethane	13.965	117	22399	18.544	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	50922	18.971	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4406	18.521	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	30328	18.580	ug/l	99
94) Hexachlorobutadiene	15.117	225	15760	18.734	ug/l	100
95) Naphthalene	15.239	128	64360	18.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	26461	19.002	ug/l	98

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

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