

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012422\
 Data File : VY007267.D
 Acq On : 24 Jan 2022 14:14
 Operator : SY/MD
 Sample : VY0124SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0124SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/25/2022
 Supervised By : Mahesh Dadoda 01/25/2022

Quant Time: Jan 25 00:33:24 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	89918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	151207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	136862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50943	46.173	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.340%		
35) Dibromofluoromethane	7.722	113	47444	46.403	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.800%		
50) Toluene-d8	10.185	98	168386	45.072	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.140%		
62) 4-Bromofluorobenzene	12.483	95	62913	47.341	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.924	85	5126	16.258	ug/l	95
3) Chloromethane	2.119	50	12733	19.258	ug/l	98
4) Vinyl Chloride	2.260	62	17794	18.491	ug/l	99
5) Bromomethane	2.662	94	12652	20.304	ug/l	94
6) Chloroethane	2.802	64	11975	19.944	ug/l	95
7) Trichlorofluoromethane	3.131	101	21113	20.358	ug/l	95
8) Diethyl Ether	3.534	74	11797	20.657	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.918	101	19596	19.394	ug/l	98
10) Methyl Iodide	4.095	142	29103	19.474	ug/l	99
11) Tert butyl alcohol	4.960	59	10732	111.411	ug/l	97
12) 1,1-Dichloroethene	3.881	96	18906	18.581	ug/l	94
13) Acrolein	3.729	56	2116	82.735	ug/l #	79
14) Allyl chloride	4.485	41	32384	19.850	ug/l	99
15) Acrylonitrile	5.168	53	29235	106.515	ug/l	98
16) Acetone	3.954	43	27033	94.410	ug/l	99
17) Carbon Disulfide	4.198	76	45973	16.270	ug/l	98
18) Methyl Acetate	4.479	43	24436	23.984	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	43755	21.844	ug/l	97
20) Methylene Chloride	4.710	84	25887	21.864	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	21146	19.170	ug/l	95
22) Diisopropyl ether	6.125	45	69542	21.040	ug/l	94
23) Vinyl Acetate	6.064	43	184106	94.719	ug/l	98
24) 1,1-Dichloroethane	6.021	63	39940	19.865	ug/l	99
25) 2-Butanone	6.990	43	38366	103.635	ug/l	94
26) 2,2-Dichloropropane	6.984	77	29840	20.365	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	25385	20.287	ug/l	98
28) Bromochloromethane	7.344	49	11423	15.707	ug/l	99
29) Tetrahydrofuran	7.350	42	24210	101.733	ug/l	99
30) Chloroform	7.509	83	43838	20.985	ug/l	96
31) Cyclohexane	7.795	56	34058	18.259	ug/l #	92
32) 1,1,1-Trichloroethane	7.704	97	36109	20.223	ug/l	99
36) 1,1-Dichloropropene	7.923	75	31362	19.206	ug/l	100
37) Ethyl Acetate	7.076	43	17455	20.829	ug/l	98
38) Carbon Tetrachloride	7.905	117	34708	20.207	ug/l	94
39) Methylcyclohexane	9.185	83	37186	18.651	ug/l	99
40) Benzene	8.167	78	86451	19.847	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	9449m	19.580	ug/l	
42) 1,2-Dichloroethane	8.240	62	28089	20.478	ug/l	100
43) Isopropyl Acetate	8.277	43	32843	20.141	ug/l	100
44) Trichloroethene	8.941	130	24220	20.548	ug/l	100
45) 1,2-Dichloropropane	9.222	63	22990	20.755	ug/l	97
46) Dibromomethane	9.307	93	13472	20.567	ug/l	95
47) Bromodichloromethane	9.502	83	34118	21.187	ug/l	99
48) Methyl methacrylate	9.295	41	14964	20.176	ug/l	95
49) 1,4-Dioxane	9.307	88	3034	429.580	ug/l #	60
51) 4-Methyl-2-Pentanone	10.075	43	85550	103.470	ug/l	96
52) Toluene	10.246	92	56591	20.496	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	35564	20.922	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	38481	20.223	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	18775	21.131	ug/l	97
56) Ethyl methacrylate	10.514	69	25081	20.037	ug/l	96
57) 1,3-Dichloropropane	10.795	76	32848	21.210	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	65281	114.695	ug/l	100
59) 2-Hexanone	10.837	43	55838	99.511	ug/l	98
60) Dibromochloromethane	10.990	129	23253	21.290	ug/l	99
61) 1,2-Dibromoethane	11.093	107	17982	20.601	ug/l	98
64) Tetrachloroethene	10.721	164	18554	18.808	ug/l	92
65) Chlorobenzene	11.520	112	60501	20.217	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	22718	20.479	ug/l	100
67) Ethyl Benzene	11.593	91	112637	20.026	ug/l	99
68) m/p-Xylenes	11.709	106	83411	39.906	ug/l	99
69) o-Xylene	12.032	106	40091	20.368	ug/l	97
70) Styrene	12.044	104	67900	20.448	ug/l	99
71) Bromoform	12.209	173	13199	20.570	ug/l #	99
73) Isopropylbenzene	12.331	105	106934	19.703	ug/l	100
74) N-amyl acetate	12.148	43	28640	19.734	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	21178	20.067	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	14521m	20.266	ug/l	
77) Bromobenzene	12.611	156	24026	20.345	ug/l	99
78) n-propylbenzene	12.672	91	132577	19.706	ug/l	100
79) 2-Chlorotoluene	12.758	91	74670	19.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	89484	20.081	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	7361	18.808	ug/l #	95
82) 4-Chlorotoluene	12.855	91	77853	19.952	ug/l	99
83) tert-Butylbenzene	13.081	119	79052	20.530	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	89901	20.353	ug/l	99
85) sec-Butylbenzene	13.258	105	115034	19.969	ug/l	100
86) p-Isopropyltoluene	13.373	119	94206	19.900	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	46727	20.215	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	47389	20.388	ug/l	99
89) n-Butylbenzene	13.696	91	92445	19.833	ug/l	98
90) Hexachloroethane	13.965	117	18425	19.908	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	41776	20.313	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3554	19.498	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	25309	20.236	ug/l	99
94) Hexachlorobutadiene	15.117	225	13245	20.548	ug/l	98
95) Naphthalene	15.239	128	52698	19.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	21476	20.127	ug/l	97

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

