

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007181.D
 Acq On : 17 Jan 2022 11:44
 Operator : SY/MD
 Sample : VY0117SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0117SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/18/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 17 17:46:20 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	7.789	168	127992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	219090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	199016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	80233	51.088	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.180%			
35) Dibromofluoromethane	7.716	113	73536	49.638	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.280%			
50) Toluene-d8	10.179	98	259608	47.959	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.920%			
62) 4-Bromofluorobenzene	12.483	95	97385	50.575	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	7993	17.810	ug/l	99
3) Chloromethane	2.119	50	15734	16.718	ug/l	98
4) Vinyl Chloride	2.260	62	23127	16.884	ug/l	98
5) Bromomethane	2.656	94	16979	19.143	ug/l	94
6) Chloroethane	2.802	64	15890	18.592	ug/l	96
7) Trichlorofluoromethane	3.131	101	28677	19.426	ug/l	100
8) Diethyl Ether	3.534	74	16481	20.274	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	26339	18.313	ug/l	99
10) Methyl Iodide	4.088	142	39042	18.353	ug/l	98
11) Tert butyl alcohol	4.942	59	13085	94.726	ug/l #	73
12) 1,1-Dichloroethene	3.869	96	26049	17.986	ug/l	88
13) Acrolein	3.735	56	3891	111.958	ug/l	96
14) Allyl chloride	4.485	41	44129	19.003	ug/l	97
15) Acrylonitrile	5.161	53	38455	98.429	ug/l	99
16) Acetone	3.948	43	33471	82.122	ug/l	98
17) Carbon Disulfide	4.198	76	66055	16.423	ug/l	100
18) Methyl Acetate	4.473	43	31505	21.724	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	58883	20.651	ug/l	99
20) Methylene Chloride	4.716	84	31982	18.976	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	28906	18.410	ug/l	96
22) Diisopropyl ether	6.119	45	98671	20.973	ug/l	97
23) Vinyl Acetate	6.058	43	266906	96.469	ug/l	97
24) 1,1-Dichloroethane	6.015	63	55770	19.487	ug/l	99
25) 2-Butanone	6.984	43	49264	93.487	ug/l	97
26) 2,2-Dichloropropane	6.978	77	39759	19.063	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	35218	19.773	ug/l	97
28) Bromochloromethane	7.332	49	18928	18.284	ug/l	92
29) Tetrahydrofuran	7.350	42	32924	97.195	ug/l	96
30) Chloroform	7.509	83	59955	20.163	ug/l	97
31) Cyclohexane	7.789	56	46577	17.543	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	48476	19.073	ug/l	98
36) 1,1-Dichloropropene	7.917	75	41903	17.710	ug/l	99
37) Ethyl Acetate	7.070	43	23902	19.685	ug/l	97
38) Carbon Tetrachloride	7.905	117	44677	17.952	ug/l	100
39) Methylcyclohexane	9.185	83	49064	16.984	ug/l	96
40) Benzene	8.161	78	119438	18.924	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	16802m	24.029	ug/l	
42) 1,2-Dichloroethane	8.240	62	39611	19.930	ug/l	98
43) Isopropyl Acetate	8.277	43	46190	19.550	ug/l	98
44) Trichloroethene	8.941	130	31262	18.304	ug/l	95
45) 1,2-Dichloropropane	9.216	63	31720	19.763	ug/l	94
46) Dibromomethane	9.307	93	18736	19.741	ug/l	97
47) Bromodichloromethane	9.496	83	46767	20.044	ug/l	97
48) Methyl methacrylate	9.295	41	20053	18.660	ug/l	96
49) 1,4-Dioxane	9.307	88	3880	379.149	ug/l #	93
51) 4-Methyl-2-Pentanone	10.075	43	112518	93.922	ug/l	97
52) Toluene	10.246	92	75378	18.842	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	49425	20.067	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	54120	19.630	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	25336	19.680	ug/l	97
56) Ethyl methacrylate	10.514	69	35147	19.379	ug/l	95
57) 1,3-Dichloropropane	10.795	76	44943	20.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	4443	5.387	ug/l	90
59) 2-Hexanone	10.837	43	78085	96.042	ug/l	95
60) Dibromochloromethane	10.990	129	31547	19.934	ug/l	99
61) 1,2-Dibromoethane	11.093	107	25069	19.821	ug/l	100
64) Tetrachloroethene	10.721	164	24691	17.212	ug/l	98
65) Chlorobenzene	11.520	112	83212	19.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	31491	19.522	ug/l	99
67) Ethyl Benzene	11.593	91	152438	18.638	ug/l	99
68) m/p-Xylenes	11.703	106	114538	37.684	ug/l	99
69) o-Xylene	12.032	106	55219	19.292	ug/l	100
70) Styrene	12.050	104	93422	19.348	ug/l	99
71) Bromoform	12.209	173	17652	18.918	ug/l #	96
73) Isopropylbenzene	12.337	105	144342	18.181	ug/l	99
74) N-amyl acetate	12.148	43	41622	19.605	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	28745	18.620	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	21151m	20.180	ug/l	
77) Bromobenzene	12.611	156	32724	18.943	ug/l	98
78) n-propylbenzene	12.672	91	178165	18.103	ug/l	99
79) 2-Chlorotoluene	12.758	91	104186	19.040	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	122441	18.783	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10352	18.081	ug/l #	96
82) 4-Chlorotoluene	12.861	91	108606	19.027	ug/l	99
83) tert-Butylbenzene	13.081	119	105792	18.782	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	123746	19.151	ug/l	100
85) sec-Butylbenzene	13.258	105	154357	18.318	ug/l	99
86) p-Isopropyltoluene	13.373	119	127720	18.443	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	65954	19.505	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	65953	19.397	ug/l	99
89) n-Butylbenzene	13.703	91	127106	18.641	ug/l	99
90) Hexachloroethane	13.965	117	25809	19.064	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	58305	19.380	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4729	17.736	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	35274	19.280	ug/l	99
94) Hexachlorobutadiene	15.117	225	17511	18.571	ug/l	97
95) Naphthalene	15.239	128	72267	18.598	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	30045	19.249	ug/l	99

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

