

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012122\
 Data File : VY007250.D
 Acq On : 21 Jan 2022 13:46
 Operator : SY/MD
 Sample : VY0121SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0121SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/24/2022
 Supervised By : Mahesh Dadoda 01/24/2022

Quant Time: Jan 22 00:23:11 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	101171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	170788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	151959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	60827	48.999	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.000%		
35) Dibromofluoromethane	7.722	113	57677	49.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.880%		
50) Toluene-d8	10.185	98	205092	48.603	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.200%		
62) 4-Bromofluorobenzene	12.489	95	71357	47.539	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	5164	14.557	ug/l	92
3) Chloromethane	2.119	50	16199	21.775	ug/l	96
4) Vinyl Chloride	2.266	62	21864	20.193	ug/l	98
5) Bromomethane	2.662	94	15320	21.851	ug/l	94
6) Chloroethane	2.802	64	13893	20.565	ug/l	95
7) Trichlorofluoromethane	3.137	101	25584	21.925	ug/l	98
8) Diethyl Ether	3.540	74	13345	20.768	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	23649	20.801	ug/l	98
10) Methyl Iodide	4.095	142	33573	19.966	ug/l	97
11) Tert butyl alcohol	4.954	59	10621	97.404	ug/l #	83
12) 1,1-Dichloroethene	3.887	96	22642	19.778	ug/l	94
13) Acrolein	3.735	56	2902	104.656	ug/l	99
14) Allyl chloride	4.485	41	37036	20.176	ug/l	96
15) Acrylonitrile	5.174	53	31430	101.775	ug/l	97
16) Acetone	3.954	43	28927	89.788	ug/l	94
17) Carbon Disulfide	4.204	76	56796	17.865	ug/l	99
18) Methyl Acetate	4.485	43	27212	23.738	ug/l	96
19) Methyl tert-butyl Ether	5.229	73	50029	22.198	ug/l	97
20) Methylene Chloride	4.723	84	27932	20.967	ug/l	90
21) trans-1,2-Dichloroethene	5.229	96	24839	20.013	ug/l	97
22) Diisopropyl ether	6.125	45	79445	21.363	ug/l	99
23) Vinyl Acetate	6.064	43	211041	96.499	ug/l	100
24) 1,1-Dichloroethane	6.027	63	47761	21.113	ug/l	98
25) 2-Butanone	6.990	43	41039	98.525	ug/l	99
26) 2,2-Dichloropropane	6.990	77	35658	21.629	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	28762	20.429	ug/l	95
28) Bromochloromethane	7.338	49	14325	17.506	ug/l	94
29) Tetrahydrofuran	7.350	42	26010	97.140	ug/l	99
30) Chloroform	7.515	83	52612	22.384	ug/l	98
31) Cyclohexane	7.789	56	41216	19.639	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	43199	21.503	ug/l	98
36) 1,1-Dichloropropene	7.923	75	37719	20.450	ug/l	98
37) Ethyl Acetate	7.076	43	19144	20.225	ug/l	97
38) Carbon Tetrachloride	7.911	117	39750	20.489	ug/l	99
39) Methylcyclohexane	9.191	83	44109	19.587	ug/l	99
40) Benzene	8.167	78	100539	20.435	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	9810m	17.997	ug/l	
42) 1,2-Dichloroethane	8.240	62	31866	20.568	ug/l	100
43) Isopropyl Acetate	8.277	43	36738	19.947	ug/l	98
44) Trichloroethene	8.947	130	27030	20.303	ug/l	98
45) 1,2-Dichloropropane	9.222	63	25469	20.357	ug/l	95
46) Dibromomethane	9.313	93	14953	20.211	ug/l	98
47) Bromodichloromethane	9.502	83	38958	21.419	ug/l	97
48) Methyl methacrylate	9.295	41	16085	19.201	ug/l	97
49) 1,4-Dioxane	9.301	88	3180	398.630	ug/l #	88
51) 4-Methyl-2-Pentanone	10.075	43	94078	100.739	ug/l	98
52) Toluene	10.246	92	64965	20.831	ug/l	97
53) t-1,3-Dichloropropene	10.472	75	38792	20.204	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	44887	20.885	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	20945	20.871	ug/l	94
56) Ethyl methacrylate	10.514	69	27858	19.704	ug/l	95
57) 1,3-Dichloropropane	10.795	76	36737	21.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	69639	108.324	ug/l	100
59) 2-Hexanone	10.837	43	62617	98.798	ug/l	97
60) Dibromochloromethane	10.990	129	25856	20.959	ug/l	98
61) 1,2-Dibromoethane	11.093	107	19787	20.070	ug/l	99
64) Tetrachloroethene	10.721	164	21994	20.080	ug/l	96
65) Chlorobenzene	11.520	112	67474	20.307	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	25364	20.593	ug/l	98
67) Ethyl Benzene	11.599	91	127987	20.494	ug/l	100
68) m/p-Xylenes	11.709	106	93928	40.473	ug/l	98
69) o-Xylene	12.032	106	44729	20.466	ug/l	98
70) Styrene	12.050	104	75878	20.581	ug/l	99
71) Bromoform	12.215	173	14623	20.525	ug/l #	97
73) Isopropylbenzene	12.337	105	120796	19.895	ug/l	100
74) N-amyl acetate	12.148	43	31594	19.459	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	23194	19.645	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	16167m	20.169	ug/l	
77) Bromobenzene	12.611	156	26033	19.705	ug/l	98
78) n-propylbenzene	12.672	91	150497	19.995	ug/l	100
79) 2-Chlorotoluene	12.758	91	83827	20.031	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	98981	19.854	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	7978	18.221	ug/l #	91
82) 4-Chlorotoluene	12.861	91	87300	19.998	ug/l	100
83) tert-Butylbenzene	13.081	119	88265	20.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	99342	20.103	ug/l	99
85) sec-Butylbenzene	13.258	105	130869	20.307	ug/l	99
86) p-Isopropyltoluene	13.373	119	106620	20.132	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	51439	19.892	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	51784	19.915	ug/l	100
89) n-Butylbenzene	13.703	91	105974	20.323	ug/l	98
90) Hexachloroethane	13.965	117	21046	20.327	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	45214	19.651	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3661	17.953	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	26479	18.925	ug/l	99
94) Hexachlorobutadiene	15.117	225	14361	19.915	ug/l	97
95) Naphthalene	15.239	128	53619	18.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	22811	19.109	ug/l	99

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

