

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007158.D
 Acq On : 14 Jan 2022 11:00
 Operator : SY/MD
 Sample : VY0114SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Quant Time: Jan 14 13:45:50 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 01/17/2022
 Supervised By : Mahesh Dadoda 01/17/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	118611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	200564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	177960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83490	57.367	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.740%			
35) Dibromofluoromethane	7.716	113	75192	55.444	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.880%			
50) Toluene-d8	10.179	98	276580	55.814	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.620%			
62) 4-Bromofluorobenzene	12.483	95	100367	56.939	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	7746	18.625	ug/l	94
3) Chloromethane	2.113	50	16857	19.328	ug/l	97
4) Vinyl Chloride	2.259	62	27845	21.936	ug/l	93
5) Bromomethane	2.656	94	17931	21.815	ug/l	96
6) Chloroethane	2.796	64	17227	21.751	ug/l	97
7) Trichlorofluoromethane	3.125	101	23619	17.265	ug/l	96
8) Diethyl Ether	3.521	74	17166	22.787	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	29509	22.139	ug/l	97
10) Methyl Iodide	4.088	142	41701	21.153	ug/l	98
11) Tert butyl alcohol	4.942	59	16949	134.355	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	28436	21.187	ug/l	96
13) Acrolein	3.729	56	4287	136.395	ug/l	99
14) Allyl chloride	4.472	41	47382	22.017	ug/l	97
15) Acrylonitrile	5.155	53	40462	111.757	ug/l	96
16) Acetone	3.942	43	38645	102.315	ug/l	99
17) Carbon Disulfide	4.192	76	79755	21.398	ug/l	98
18) Methyl Acetate	4.472	43	33528	24.947	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	58848	22.272	ug/l	98
20) Methylene Chloride	4.716	84	33182	21.245	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	32089	22.053	ug/l	96
22) Diisopropyl ether	6.118	45	98103	22.502	ug/l	98
23) Vinyl Acetate	6.057	43	277542	108.248	ug/l	98
24) 1,1-Dichloroethane	6.015	63	59183	22.315	ug/l	98
25) 2-Butanone	6.978	43	54197	110.983	ug/l	97
26) 2,2-Dichloropropane	6.978	77	41647	21.547	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	36073	21.855	ug/l	97
28) Bromochloromethane	7.332	49	19315	20.134	ug/l	92
29) Tetrahydrofuran	7.344	42	36054	114.853	ug/l	98
30) Chloroform	7.502	83	60660	22.013	ug/l	99
31) Cyclohexane	7.783	56	54118	21.995	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	52121	22.129	ug/l	99
36) 1,1-Dichloropropene	7.917	75	47548	21.952	ug/l	98
37) Ethyl Acetate	7.069	43	25936	23.333	ug/l #	94
38) Carbon Tetrachloride	7.899	117	49883	21.895	ug/l	98
39) Methylcyclohexane	9.185	83	57493	21.740	ug/l	100
40) Benzene	8.161	78	125935	21.797	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	14009m	21.885	ug/l	
42) 1,2-Dichloroethane	8.234	62	41107	22.594	ug/l	99
43) Isopropyl Acetate	8.270	43	48098	22.238	ug/l	98
44) Trichloroethene	8.935	130	33857	21.655	ug/l	94
45) 1,2-Dichloropropane	9.215	63	31755	21.613	ug/l	95
46) Dibromomethane	9.307	93	18800	21.638	ug/l	98
47) Bromodichloromethane	9.496	83	47054	22.030	ug/l	96
48) Methyl methacrylate	9.295	41	21737	22.095	ug/l	99
49) 1,4-Dioxane	9.301	88	4440	473.948	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	123202	112.339	ug/l	96
52) Toluene	10.246	92	79510	21.710	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	49310	21.869	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	54562	21.618	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	25455	21.599	ug/l	97
56) Ethyl methacrylate	10.508	69	36917	22.235	ug/l	97
57) 1,3-Dichloropropane	10.788	76	45260	22.032	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	83065	110.026	ug/l	99
59) 2-Hexanone	10.831	43	83907	112.735	ug/l	97
60) Dibromochloromethane	10.983	129	31543	21.773	ug/l	100
61) 1,2-Dibromoethane	11.087	107	25212	21.776	ug/l	100
64) Tetrachloroethene	10.721	164	28241	22.016	ug/l	95
65) Chlorobenzene	11.514	112	84639	21.751	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	31858	22.086	ug/l	99
67) Ethyl Benzene	11.593	91	161224	22.045	ug/l	99
68) m/p-Xylenes	11.703	106	118996	43.783	ug/l	98
69) o-Xylene	12.026	106	57293	22.385	ug/l	99
70) Styrene	12.044	104	95415	22.098	ug/l	99
71) Bromoform	12.209	173	18156	21.761	ug/l #	100
73) Isopropylbenzene	12.331	105	152938	21.219	ug/l	100
74) N-amyl acetate	12.142	43	42920	22.268	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	29835	21.287	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	23220m	24.402	ug/l	
77) Bromobenzene	12.611	156	33389	21.290	ug/l	97
78) n-propylbenzene	12.672	91	190864	21.362	ug/l	99
79) 2-Chlorotoluene	12.757	91	106442	21.426	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	124449	21.029	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	11102	21.360	ug/l #	97
82) 4-Chlorotoluene	12.855	91	111116	21.442	ug/l	99
83) tert-Butylbenzene	13.074	119	107295	20.982	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	126516	21.567	ug/l	100
85) sec-Butylbenzene	13.257	105	161976	21.173	ug/l	100
86) p-Isopropyltoluene	13.373	119	132293	21.043	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	65768	21.424	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	65837	21.329	ug/l	99
89) n-Butylbenzene	13.696	91	132994	21.485	ug/l	99
90) Hexachloroethane	13.958	117	26416	21.492	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	57826	21.171	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5137	21.221	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	34590	20.825	ug/l	100
94) Hexachlorobutadiene	15.111	225	17734	20.717	ug/l	98
95) Naphthalene	15.239	128	72786	20.632	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	29183	20.594	ug/l	99

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

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