

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007145.D
 Acq On : 13 Jan 2022 16:03
 Operator : SY/MD
 Sample : VY0113SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Quant Time: Jan 14 05:53:05 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 01/14/2022
 Supervised By : Mahesh Dadoda 01/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	133994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	227074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	201301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	81275	49.434	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.860%		
35) Dibromofluoromethane	7.716	113	76388	49.750	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.500%		
50) Toluene-d8	10.179	98	278835	49.700	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.400%		
62) 4-Bromofluorobenzene	12.477	95	100792	50.504	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	10822	23.033	ug/l	95
3) Chloromethane	2.113	50	18103	18.373	ug/l	100
4) Vinyl Chloride	2.253	62	29264	20.407	ug/l	99
5) Bromomethane	2.656	94	19011	20.474	ug/l	97
6) Chloroethane	2.796	64	17652	19.729	ug/l	95
7) Trichlorofluoromethane	3.125	101	29436	19.047	ug/l	100
8) Diethyl Ether	3.521	74	17061	20.047	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	30313	20.132	ug/l	97
10) Methyl Iodide	4.088	142	43382	19.480	ug/l	98
11) Tert butyl alcohol	4.948	59	17840	124.848	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	29412	19.398	ug/l	96
13) Acrolein	3.723	56	4313	119.565	ug/l	100
14) Allyl chloride	4.472	41	46807	19.253	ug/l	97
15) Acrylonitrile	5.155	53	40175	98.225	ug/l	97
16) Acetone	3.942	43	38710	90.721	ug/l	99
17) Carbon Disulfide	4.192	76	82379	19.565	ug/l	98
18) Methyl Acetate	4.472	43	32274	21.257	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	57948	19.413	ug/l	97
20) Methylene Chloride	4.710	84	34129	19.343	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	33152	20.168	ug/l	97
22) Diisopropyl ether	6.118	45	97431	19.782	ug/l	98
23) Vinyl Acetate	6.058	43	277688	95.871	ug/l	98
24) 1,1-Dichloroethane	6.015	63	59924	20.001	ug/l	99
25) 2-Butanone	6.984	43	53721	97.379	ug/l	98
26) 2,2-Dichloropropane	6.978	77	42844	19.621	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	36555	19.604	ug/l	97
28) Bromochloromethane	7.332	49	18672	17.229	ug/l	93
29) Tetrahydrofuran	7.344	42	35520	100.162	ug/l	97
30) Chloroform	7.508	83	62723	20.149	ug/l	99
31) Cyclohexane	7.789	56	55547	19.984	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	53703	20.183	ug/l	99
36) 1,1-Dichloropropene	7.917	75	48827	19.911	ug/l	99
37) Ethyl Acetate	7.070	43	25544	20.297	ug/l	99
38) Carbon Tetrachloride	7.899	117	51054	19.793	ug/l	98
39) Methylcyclohexane	9.179	83	60816	20.311	ug/l	97
40) Benzene	8.161	78	129277	19.763	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	13132m	18.120	ug/l	
42) 1,2-Dichloroethane	8.234	62	41596	20.193	ug/l	99
43) Isopropyl Acetate	8.271	43	47575	19.428	ug/l	100
44) Trichloroethene	8.935	130	34521	19.502	ug/l	94
45) 1,2-Dichloropropane	9.215	63	32944	19.804	ug/l	93
46) Dibromomethane	9.301	93	19038	19.354	ug/l	99
47) Bromodichloromethane	9.496	83	46926	19.405	ug/l	99
48) Methyl methacrylate	9.289	41	21165	19.002	ug/l	98
49) 1,4-Dioxane	9.301	88	4338	408.999	ug/l #	91
51) 4-Methyl-2-Pentanone	10.069	43	120693	97.203	ug/l	98
52) Toluene	10.246	92	83434	20.122	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	49694	19.467	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	56507	19.775	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	25853	19.376	ug/l	94
56) Ethyl methacrylate	10.508	69	36417	19.373	ug/l	96
57) 1,3-Dichloropropane	10.788	76	46591	20.033	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	83480	97.667	ug/l	98
59) 2-Hexanone	10.831	43	81297	96.477	ug/l	97
60) Dibromochloromethane	10.983	129	32157	19.605	ug/l	99
61) 1,2-Dibromoethane	11.087	107	26247	20.023	ug/l	97
64) Tetrachloroethene	10.715	164	29360	20.235	ug/l	96
65) Chlorobenzene	11.514	112	87156	19.801	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	32481	19.907	ug/l	100
67) Ethyl Benzene	11.593	91	165885	20.052	ug/l	100
68) m/p-Xylenes	11.703	106	123482	40.166	ug/l	99
69) o-Xylene	12.026	106	57620	19.902	ug/l	98
70) Styrene	12.044	104	98499	20.168	ug/l	99
71) Bromoform	12.209	173	18336	19.428	ug/l #	100
73) Isopropylbenzene	12.331	105	157887	19.928	ug/l	99
74) N-amyl acetate	12.142	43	41765	19.713	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	30333	19.689	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	22196m	21.221	ug/l	
77) Bromobenzene	12.605	156	34192	19.834	ug/l	98
78) n-propylbenzene	12.672	91	195991	19.956	ug/l	99
79) 2-Chlorotoluene	12.758	91	109524	20.057	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	130580	20.073	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10619	18.586	ug/l #	96
82) 4-Chlorotoluene	12.855	91	113387	19.906	ug/l	100
83) tert-Butylbenzene	13.075	119	111825	19.894	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	128403	19.914	ug/l	99
85) sec-Butylbenzene	13.251	105	167704	19.943	ug/l	99
86) p-Isopropyltoluene	13.367	119	137635	19.917	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	67057	19.873	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	67465	19.884	ug/l	100
89) n-Butylbenzene	13.696	91	137286	20.176	ug/l	99
90) Hexachloroethane	13.959	117	27376	20.263	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	58815	19.590	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5088	19.122	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	34991	19.165	ug/l	98
94) Hexachlorobutadiene	15.111	225	18277	19.424	ug/l	97
95) Naphthalene	15.239	128	73109	18.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29355	18.846	ug/l	98

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

