

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007144.D
 Acq On : 13 Jan 2022 15:40
 Operator : SY/MD
 Sample : VY0113SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Quant Time: Jan 14 05:52:33 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	127975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	213318	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	193911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76851	48.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.880%		
35) Dibromofluoromethane	7.716	113	69831	48.412	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.820%		
50) Toluene-d8	10.179	98	252202	47.851	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.700%		
62) 4-Bromofluorobenzene	12.483	95	93528	49.887	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	13718	30.571	ug/l	99
3) Chloromethane	2.113	50	18865	20.047	ug/l	98
4) Vinyl Chloride	2.259	62	27477	20.062	ug/l	89
5) Bromomethane	2.656	94	19041	21.470	ug/l	95
6) Chloroethane	2.796	64	17392	20.352	ug/l	97
7) Trichlorofluoromethane	3.125	101	27322	18.510	ug/l	97
8) Diethyl Ether	3.521	74	16491	20.289	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	28977	20.150	ug/l	96
10) Methyl Iodide	4.088	142	42493	19.978	ug/l	100
11) Tert butyl alcohol	4.948	59	16244	118.796	ug/l	100
12) 1,1-Dichloroethene	3.875	96	29216	20.175	ug/l	93
13) Acrolein	3.723	56	4288	125.175	ug/l	98
14) Allyl chloride	4.479	41	46411	19.988	ug/l	96
15) Acrylonitrile	5.161	53	40829	104.519	ug/l	99
16) Acetone	3.942	43	37351	91.653	ug/l	97
17) Carbon Disulfide	4.192	76	80622	20.048	ug/l	97
18) Methyl Acetate	4.472	43	32477	22.397	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	57345	20.115	ug/l	98
20) Methylene Chloride	4.716	84	33508	19.884	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	31413	20.009	ug/l	97
22) Diisopropyl ether	6.112	45	95596	20.322	ug/l	95
23) Vinyl Acetate	6.051	43	273729	98.949	ug/l	98
24) 1,1-Dichloroethane	6.015	63	58131	20.315	ug/l	98
25) 2-Butanone	6.984	43	52982	100.556	ug/l	93
26) 2,2-Dichloropropane	6.984	77	41347	19.827	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	36369	20.422	ug/l	99
28) Bromochloromethane	7.332	49	19023	18.379	ug/l	96
29) Tetrahydrofuran	7.344	42	35566	105.009	ug/l	98
30) Chloroform	7.502	83	61712	20.756	ug/l	98
31) Cyclohexane	7.783	56	54005	20.343	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	50968	20.056	ug/l	99
36) 1,1-Dichloropropene	7.917	75	47578	20.653	ug/l	98
37) Ethyl Acetate	7.070	43	25144	21.268	ug/l	94
38) Carbon Tetrachloride	7.899	117	49157	20.286	ug/l	99
39) Methylcyclohexane	9.179	83	58212	20.696	ug/l	99
40) Benzene	8.161	78	126847	20.642	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11083m	16.279	ug/l	
42) 1,2-Dichloroethane	8.234	62	40947	21.160	ug/l	100
43) Isopropyl Acetate	8.271	43	47709	20.739	ug/l	98
44) Trichloroethene	8.935	130	34235	20.588	ug/l	96
45) 1,2-Dichloropropane	9.216	63	32668	20.905	ug/l	95
46) Dibromomethane	9.307	93	19028	20.591	ug/l	97
47) Bromodichloromethane	9.496	83	47024	20.699	ug/l	99
48) Methyl methacrylate	9.295	41	21189	20.250	ug/l	97
49) 1,4-Dioxane	9.295	88	4485	450.127	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	119611	102.544	ug/l	98
52) Toluene	10.246	92	80754	20.732	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	49473	20.630	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	54675	20.368	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	25714	20.514	ug/l	98
56) Ethyl methacrylate	10.508	69	35991	20.382	ug/l	95
57) 1,3-Dichloropropane	10.788	76	45508	20.829	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	84991	105.847	ug/l	97
59) 2-Hexanone	10.831	43	80942	102.250	ug/l	96
60) Dibromochloromethane	10.983	129	31292	20.308	ug/l	100
61) 1,2-Dibromoethane	11.087	107	25835	20.980	ug/l	98
64) Tetrachloroethene	10.721	164	28243	20.207	ug/l	96
65) Chlorobenzene	11.514	112	85377	20.136	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	31560	20.080	ug/l	99
67) Ethyl Benzene	11.593	91	161189	20.227	ug/l	98
68) m/p-Xylenes	11.703	106	119816	40.459	ug/l	99
69) o-Xylene	12.032	106	56682	20.324	ug/l	99
70) Styrene	12.044	104	94620	20.112	ug/l	99
71) Bromoform	12.209	173	18602	20.461	ug/l #	98
73) Isopropylbenzene	12.331	105	151769	19.375	ug/l	100
74) N-amyl acetate	12.142	43	42248	20.169	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	29674	19.481	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	23397m	22.624	ug/l	
77) Bromobenzene	12.605	156	32864	19.281	ug/l	97
78) n-propylbenzene	12.672	91	191409	19.712	ug/l	98
79) 2-Chlorotoluene	12.758	91	105752	19.587	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	127715	19.857	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10510	18.606	ug/l #	95
82) 4-Chlorotoluene	12.855	91	113039	20.071	ug/l	97
83) tert-Butylbenzene	13.075	119	109076	19.627	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	125441	19.676	ug/l	100
85) sec-Butylbenzene	13.251	105	163090	19.615	ug/l	100
86) p-Isopropyltoluene	13.367	119	134570	19.695	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	66255	19.859	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	65129	19.414	ug/l	99
89) n-Butylbenzene	13.696	91	134927	20.056	ug/l	99
90) Hexachloroethane	13.959	117	26763	20.036	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	57592	19.402	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5061	19.237	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	35438	19.632	ug/l	99
94) Hexachlorobutadiene	15.111	225	19040	20.466	ug/l	96
95) Naphthalene	15.239	128	74032	19.309	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	31047	20.160	ug/l	98

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

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