

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007882.D
 Acq On : 17 Mar 2022 18:15
 Operator : SY/MD
 Sample : VY0317SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 18 08:55:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	299308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	507874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	453357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	218633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	143326	41.998	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.000%		
35) Dibromofluoromethane	7.716	113	148559	41.651	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.300%		
50) Toluene-d8	10.179	98	503483	46.357	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.720%		
62) 4-Bromofluorobenzene	12.477	95	200179	39.105	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47500	21.657	ug/l	97
3) Chloromethane	2.113	50	61632	22.273	ug/l	96
4) Vinyl Chloride	2.247	62	74824	22.624	ug/l	99
5) Bromomethane	2.643	94	55548	24.792	ug/l	99
6) Chloroethane	2.790	64	50393	20.588	ug/l	92
7) Trichlorofluoromethane	3.125	101	109505	19.955	ug/l	95
8) Diethyl Ether	3.527	74	43652	21.433	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	70899	20.002	ug/l	95
10) Methyl Iodide	4.088	142	65716	20.057	ug/l #	88
11) Tert butyl alcohol	4.954	59	41255	103.768	ug/l	96
12) 1,1-Dichloroethene	3.869	96	65319	20.098	ug/l	83
13) Acrolein	3.728	56	27842	116.271	ug/l	90
14) Allyl chloride	4.478	41	107781	19.716	ug/l #	91
15) Acrylonitrile	5.161	53	113425	104.500	ug/l	97
16) Acetone	3.942	43	82660	91.304	ug/l	91
17) Carbon Disulfide	4.192	76	159367	22.779	ug/l	100
18) Methyl Acetate	4.472	43	57425	23.599	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	214188	21.010	ug/l	95
20) Methylene Chloride	4.716	84	94715	24.625	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	72743	19.993	ug/l	88
22) Diisopropyl ether	6.112	45	240526	20.452	ug/l #	95
23) Vinyl Acetate	6.057	43	779076	105.764	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	135392	20.439	ug/l	97
25) 2-Butanone	6.984	43	142991	98.606	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	119525	19.468	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	90077	20.625	ug/l	87
28) Bromochloromethane	7.331	49	53579	20.477	ug/l #	81
29) Tetrahydrofuran	7.350	42	97693	105.141	ug/l #	86
30) Chloroform	7.502	83	141305	20.637	ug/l	97
31) Cyclohexane	7.783	56	119253	21.274	ug/l	88
32) 1,1,1-Trichloroethane	7.703	97	123930	20.096	ug/l	96
36) 1,1-Dichloropropene	7.917	75	101837	19.250	ug/l	96
37) Ethyl Acetate	7.069	43	66336	20.551	ug/l #	93
38) Carbon Tetrachloride	7.898	117	109224	19.322	ug/l	98
39) Methylcyclohexane	9.179	83	130238	20.323	ug/l	91
40) Benzene	8.161	78	303457	19.630	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	42326m	21.262	ug/l	
42) 1,2-Dichloroethane	8.234	62	89598	20.018	ug/l	89
43) Isopropyl Acetate	8.270	43	126316	20.298	ug/l #	91
44) Trichloroethene	8.941	130	82813	19.373	ug/l	99
45) 1,2-Dichloropropane	9.215	63	80330	20.068	ug/l	97
46) Dibromomethane	9.307	93	47706	20.373	ug/l	97
47) Bromodichloromethane	9.496	83	111698	19.745	ug/l	98
48) Methyl methacrylate	9.288	41	54605	19.725	ug/l #	85
49) 1,4-Dioxane	9.295	88	13915	419.586	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	327241	99.808	ug/l	91
52) Toluene	10.240	92	195534	19.695	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	118687	19.667	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	133483	19.835	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	67899	19.958	ug/l	98
56) Ethyl methacrylate	10.508	69	97770	20.018	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	114129	20.117	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	233155	97.313	ug/l	94
59) 2-Hexanone	10.831	43	226005	96.392	ug/l	87
60) Dibromochloromethane	10.983	129	82720	20.302	ug/l	99
61) 1,2-Dibromoethane	11.087	107	66633	20.246	ug/l	99
64) Tetrachloroethene	10.721	164	68023	19.282	ug/l	96
65) Chlorobenzene	11.514	112	211360	19.462	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	80740	19.746	ug/l	95
67) Ethyl Benzene	11.593	91	379867	19.636	ug/l	97
68) m/p-Xylenes	11.703	106	295181	39.116	ug/l	94
69) o-Xylene	12.026	106	144431	19.787	ug/l	92
70) Styrene	12.044	104	242768	19.782	ug/l	97
71) Bromoform	12.209	173	51746	19.758	ug/l #	97
73) Isopropylbenzene	12.331	105	375409	19.507	ug/l	100
74) N-amyl acetate	12.142	43	113770	20.038	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	82969	20.029	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	60674m	19.470	ug/l	
77) Bromobenzene	12.611	156	88601	20.147	ug/l	100
78) n-propylbenzene	12.672	91	453052	19.496	ug/l	98
79) 2-Chlorotoluene	12.757	91	259005	19.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	310493	19.619	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	28557	19.248	ug/l	86
82) 4-Chlorotoluene	12.855	91	265293	19.533	ug/l	98
83) tert-Butylbenzene	13.074	119	277780	19.614	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	309293	19.937	ug/l	98
85) sec-Butylbenzene	13.251	105	409591	19.298	ug/l	99
86) p-Isopropyltoluene	13.367	119	335556	19.475	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	169017	19.679	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	169155	19.651	ug/l	98
89) n-Butylbenzene	13.696	91	317851	19.222	ug/l	98
90) Hexachloroethane	13.958	117	68438	19.900	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	156699	20.283	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13968	19.600	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	93315	19.108	ug/l	97
94) Hexachlorobutadiene	15.111	225	48212	18.505	ug/l	98
95) Naphthalene	15.233	128	218961	20.096	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	84388	19.592	ug/l	98

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

