

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011938.D
 Acq On : 21 Dec 2022 11:20
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/22/2022
 Supervised By :Mahesh Dadoda 12/22/2022

Quant Time: Dec 22 00:12:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	237623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	362430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	321098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	114088	47.656	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.320%		
35) Dibromofluoromethane	7.716	113	107428	49.235	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.480%		
50) Toluene-d8	10.179	98	438886	49.577	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.160%		
62) 4-Bromofluorobenzene	12.483	95	143482	48.192	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	95700	50.471	ug/l	99
3) Chloromethane	2.119	50	102929	48.669	ug/l	98
4) Vinyl Chloride	2.253	62	114642	49.154	ug/l	98
5) Bromomethane	2.656	94	79291	47.786	ug/l	97
6) Chloroethane	2.796	64	71713	47.041	ug/l	95
7) Trichlorofluoromethane	3.131	101	192908	47.249	ug/l	95
8) Diethyl Ether	3.534	74	58809	46.683	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.900	101	107371	47.773	ug/l	99
10) Methyl Iodide	4.095	142	147225	47.345	ug/l	98
11) Tert butyl alcohol	4.960	59	50109	207.566	ug/l	100
12) 1,1-Dichloroethene	3.875	96	105482	46.919	ug/l	96
13) Acrolein	3.735	56	50638	226.276	ug/l	100
14) Allyl chloride	4.479	41	152858	46.171	ug/l	94
15) Acrylonitrile	5.168	53	136264	232.533	ug/l	99
16) Acetone	3.948	43	173537	242.937	ug/l	99
17) Carbon Disulfide	4.198	76	336583	46.934	ug/l	100
18) Methyl Acetate	4.485	43	73568	44.473	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	273961	47.494	ug/l	97
20) Methylene Chloride	4.716	84	128163	46.052	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	119694	46.856	ug/l	96
22) Diisopropyl ether	6.119	45	312710	47.958	ug/l	96
23) Vinyl Acetate	6.064	43	910691	242.754	ug/l	99
24) 1,1-Dichloroethane	6.021	63	196801	46.433	ug/l	99
25) 2-Butanone	6.984	43	193928	243.182	ug/l	99
26) 2,2-Dichloropropane	6.984	77	188795	45.521	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	128589	46.542	ug/l	99
28) Bromochloromethane	7.338	49	57442	49.388	ug/l	94
29) Tetrahydrofuran	7.350	42	105179	232.789	ug/l	96
30) Chloroform	7.509	83	210032	45.975	ug/l	98
31) Cyclohexane	7.783	56	184220	45.710	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	199741	45.968	ug/l	99
36) 1,1-Dichloropropene	7.917	75	163637	46.755	ug/l	98
37) Ethyl Acetate	7.070	43	73443	46.772	ug/l	99
38) Carbon Tetrachloride	7.899	117	187177	46.307	ug/l	97
39) Methylcyclohexane	9.185	83	203112	48.230	ug/l	98
40) Benzene	8.161	78	461990	46.126	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	37127m	48.896	ug/l	
42) 1,2-Dichloroethane	8.234	62	132325	45.893	ug/l	100
43) Isopropyl Acetate	8.271	43	133320	46.489	ug/l	98
44) Trichloroethene	8.941	130	130454	46.209	ug/l	100
45) 1,2-Dichloropropane	9.216	63	107840	46.599	ug/l	98
46) Dibromomethane	9.307	93	60393	45.306	ug/l	99
47) Bromodichloromethane	9.496	83	156483	46.272	ug/l	98
48) Methyl methacrylate	9.295	41	63889	48.116	ug/l	96
49) 1,4-Dioxane	9.295	88	15594	979.810	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	358697	234.570	ug/l	99
52) Toluene	10.246	92	299683	46.962	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	157184	45.998	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	178856	46.564	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	83851	44.327	ug/l	97
56) Ethyl methacrylate	10.514	69	114369	47.753	ug/l	99
57) 1,3-Dichloropropane	10.789	76	145876	46.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	217604	235.457	ug/l	97
59) 2-Hexanone	10.831	43	275096	244.536	ug/l	98
60) Dibromochloromethane	10.984	129	109489	45.946	ug/l	99
61) 1,2-Dibromoethane	11.093	107	80912	45.719	ug/l	99
64) Tetrachloroethene	10.721	164	131537	46.800	ug/l	95
65) Chlorobenzene	11.520	112	305367	45.802	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	115055	46.382	ug/l	99
67) Ethyl Benzene	11.593	91	568626	47.183	ug/l	99
68) m/p-Xylenes	11.703	106	443272	94.576	ug/l	100
69) o-Xylene	12.032	106	208711	47.859	ug/l	99
70) Styrene	12.044	104	348986	47.661	ug/l	99
71) Bromoform	12.209	173	68338	46.493	ug/l	100
73) Isopropylbenzene	12.331	105	561995	48.617	ug/l	99
74) N-amyl acetate	12.148	43	112826	47.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	90375	46.864	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	76485m	39.458	ug/l	
77) Bromobenzene	12.611	156	125878	47.069	ug/l	97
78) n-propylbenzene	12.672	91	673482	48.469	ug/l	100
79) 2-Chlorotoluene	12.758	91	370723	47.464	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	477601	48.257	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	32596	46.050	ug/l	98
82) 4-Chlorotoluene	12.855	91	380537	47.088	ug/l	99
83) tert-Butylbenzene	13.075	119	416131	49.612	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	469738	48.245	ug/l	99
85) sec-Butylbenzene	13.258	105	604434	48.258	ug/l	99
86) p-Isopropyltoluene	13.373	119	511439	48.393	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	250517	46.578	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	247054	46.206	ug/l	99
89) n-Butylbenzene	13.697	91	461367	48.224	ug/l	99
90) Hexachloroethane	13.965	117	93469	46.352	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	220059	46.932	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15579	47.008	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	131269	47.591	ug/l	97
94) Hexachlorobutadiene	15.111	225	82649	46.373	ug/l	100
95) Naphthalene	15.239	128	242363	42.676	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	109488	46.950	ug/l	98

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

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