

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011809.D
 Acq On : 13 Dec 2022 21:50
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 22:44:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	219229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	343853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	314327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	78317	52.601	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.200%			
35) Dibromofluoromethane	7.721	113	81195	53.413	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.820%			
50) Toluene-d8	10.178	98	248212	49.487	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.980%			
62) 4-Bromofluorobenzene	12.483	95	106982	54.032	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	45040	45.780	ug/l	98
3) Chloromethane	2.113	50	57454	48.920	ug/l	98
4) Vinyl Chloride	2.253	62	67874	48.327	ug/l	96
5) Bromomethane	2.649	94	49154	52.432	ug/l	99
6) Chloroethane	2.796	64	49305	45.354	ug/l	97
7) Trichlorofluoromethane	3.125	101	133614	44.336	ug/l	100
8) Diethyl Ether	3.527	74	50293	47.645	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	82419	45.814	ug/l	99
10) Methyl Iodide	4.094	142	100526	47.726	ug/l	98
11) Tert butyl alcohol	4.948	59	51494	292.192	ug/l	99
12) 1,1-Dichloroethene	3.875	96	73730	45.444	ug/l	94
13) Acrolein	3.728	56	72737	235.358	ug/l	99
14) Allyl chloride	4.478	41	127848	47.439	ug/l	100
15) Acrylonitrile	5.161	53	140026	247.142	ug/l	99
16) Acetone	3.948	43	121462	202.906	ug/l	95
17) Carbon Disulfide	4.198	76	158575	42.798	ug/l	99
18) Methyl Acetate	4.478	43	66034	46.191	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	261148	51.407	ug/l	98
20) Methylene Chloride	4.722	84	110154	51.918	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	85685	46.988	ug/l	99
22) Diisopropyl ether	6.118	45	304257	51.745	ug/l	98
23) Vinyl Acetate	6.057	43	907041	270.397	ug/l	100
24) 1,1-Dichloroethane	6.021	63	172435	48.259	ug/l	99
25) 2-Butanone	6.984	43	178247	231.490	ug/l	98
26) 2,2-Dichloropropane	6.978	77	158330	47.099	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	109458	49.113	ug/l	98
28) Bromochloromethane	7.331	49	65985	50.725	ug/l	98
29) Tetrahydrofuran	7.350	42	109253	249.287	ug/l	100
30) Chloroform	7.508	83	192510	50.396	ug/l	99
31) Cyclohexane	7.789	56	122726	47.940	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	166412	48.848	ug/l	100
36) 1,1-Dichloropropene	7.917	75	122871	47.090	ug/l	100
37) Ethyl Acetate	7.075	43	74336	48.729	ug/l	99
38) Carbon Tetrachloride	7.904	117	148542	48.463	ug/l	97
39) Methylcyclohexane	9.185	83	136570	46.516	ug/l	99
40) Benzene	8.160	78	380095	48.760	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	39612m	51.438	ug/l	
42) 1,2-Dichloroethane	8.240	62	118505	49.161	ug/l	100
43) Isopropyl Acetate	8.276	43	139151	50.305	ug/l	100
44) Trichloroethene	8.941	130	104421	47.830	ug/l	99
45) 1,2-Dichloropropane	9.215	63	100125	49.627	ug/l	99
46) Dibromomethane	9.307	93	56598	50.115	ug/l	99
47) Bromodichloromethane	9.496	83	147700	50.623	ug/l	98
48) Methyl methacrylate	9.294	41	63038	51.699	ug/l	99
49) 1,4-Dioxane	9.294	88	15316	978.941	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	392901	257.777	ug/l	100
52) Toluene	10.245	92	245896	49.620	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	147015	50.446	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	165183	50.447	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	85690	51.335	ug/l	98
56) Ethyl methacrylate	10.508	69	113771	52.799	ug/l	100
57) 1,3-Dichloropropane	10.788	76	140657	50.552	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	256709	256.921	ug/l	100
59) 2-Hexanone	10.831	43	271827	249.609	ug/l	99
60) Dibromochloromethane	10.983	129	108043	51.679	ug/l	100
61) 1,2-Dibromoethane	11.087	107	76147	50.355	ug/l	99
64) Tetrachloroethene	10.721	164	106760	48.006	ug/l	98
65) Chlorobenzene	11.514	112	277818	49.053	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	110456	50.272	ug/l	99
67) Ethyl Benzene	11.593	91	490378	49.139	ug/l	99
68) m/p-Xylenes	11.702	106	376980	98.641	ug/l	99
69) o-Xylene	12.032	106	181877	49.928	ug/l	99
70) Styrene	12.044	104	316088	50.839	ug/l	99
71) Bromoform	12.208	173	68033	50.200	ug/l	98
73) Isopropylbenzene	12.330	105	499053	49.662	ug/l	100
74) N-amyl acetate	12.141	43	121753	50.392	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.580	83	96900	49.513	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	79844m	50.881	ug/l	
77) Bromobenzene	12.611	156	116581	49.687	ug/l	99
78) n-propylbenzene	12.672	91	591371	49.106	ug/l	100
79) 2-Chlorotoluene	12.757	91	337289	49.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	423635	49.875	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	33957	49.104	ug/l	99
82) 4-Chlorotoluene	12.855	91	349009	48.958	ug/l	100
83) tert-Butylbenzene	13.074	119	371627	50.246	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	421959	50.454	ug/l	99
85) sec-Butylbenzene	13.251	105	545551	49.530	ug/l	99
86) p-Isopropyltoluene	13.373	119	461509	50.342	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	233030	49.353	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	232095	49.458	ug/l	100
89) n-Butylbenzene	13.696	91	417786	50.132	ug/l	99
90) Hexachloroethane	13.964	117	88599	48.636	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	212663	50.050	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16696	48.932	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	129969	52.445	ug/l	98
94) Hexachlorobutadiene	15.110	225	77630	49.302	ug/l	98
95) Naphthalene	15.238	128	260354	54.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.427	180	112493	52.552	ug/l	100

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

