

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY011987.D
 Acq On : 23 Dec 2022 10:37
 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 12/27/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 22:23:06 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	220632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	331780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	301153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	104951	47.215	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.440%		
35) Dibromofluoromethane	7.716	113	95873	47.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.000%		
50) Toluene-d8	10.179	98	385457	47.564	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.120%		
62) 4-Bromofluorobenzene	12.483	95	132470	48.603	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	82499	47.036	ug/l	99
3) Chloromethane	2.113	50	84629	43.098	ug/l	98
4) Vinyl Chloride	2.253	62	95977	44.321	ug/l	100
5) Bromomethane	2.656	94	66388	43.091	ug/l	96
6) Chloroethane	2.796	64	60971	43.075	ug/l	98
7) Trichlorofluoromethane	3.125	101	174039	45.910	ug/l	98
8) Diethyl Ether	3.527	74	52773	45.118	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	96070	46.036	ug/l	99
10) Methyl Iodide	4.094	142	124496	43.119	ug/l	97
11) Tert butyl alcohol	4.948	59	42319	185.056	ug/l	98
12) 1,1-Dichloroethene	3.875	96	93749	44.911	ug/l	99
13) Acrolein	3.729	56	44261	213.011	ug/l	98
14) Allyl chloride	4.478	41	134051	43.608	ug/l	96
15) Acrylonitrile	5.161	53	129741	238.452	ug/l	100
16) Acetone	3.948	43	153564	231.760	ug/l	99
17) Carbon Disulfide	4.192	76	288211	43.284	ug/l	100
18) Methyl Acetate	4.478	43	70020	45.588	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	255341	47.675	ug/l	98
20) Methylene Chloride	4.710	84	113682	43.688	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	106401	44.860	ug/l	100
22) Diisopropyl ether	6.112	45	278332	45.973	ug/l	96
23) Vinyl Acetate	6.057	43	843138	242.055	ug/l	97
24) 1,1-Dichloroethane	6.015	63	176349	44.811	ug/l	99
25) 2-Butanone	6.984	43	178187	240.651	ug/l	98
26) 2,2-Dichloropropane	6.978	77	168372	43.723	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	114343	44.573	ug/l	98
28) Bromochloromethane	7.332	49	50850	47.087	ug/l	91
29) Tetrahydrofuran	7.344	42	102655	244.699	ug/l	95
30) Chloroform	7.502	83	191650	45.182	ug/l	100
31) Cyclohexane	7.783	56	159009	42.493	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	182757	45.299	ug/l	99
36) 1,1-Dichloropropene	7.917	75	146542	45.739	ug/l	99
37) Ethyl Acetate	7.069	43	69421	48.295	ug/l	98
38) Carbon Tetrachloride	7.899	117	172486	46.615	ug/l	98
39) Methylcyclohexane	9.185	83	179928	46.672	ug/l	97
40) Benzene	8.161	78	413604	45.109	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	37371m	53.764	ug/l	
42) 1,2-Dichloroethane	8.234	62	125066	47.382	ug/l	100
43) Isopropyl Acetate	8.270	43	126703	48.263	ug/l	98
44) Trichloroethene	8.941	130	116467	45.066	ug/l	99
45) 1,2-Dichloropropane	9.215	63	97442	45.996	ug/l	99
46) Dibromomethane	9.307	93	57491	47.113	ug/l	99
47) Bromodichloromethane	9.496	83	144323	46.618	ug/l	99
48) Methyl methacrylate	9.295	41	60409	49.698	ug/l	98
49) 1,4-Dioxane	9.295	88	15148	1039.714	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	350629	250.476	ug/l	99
52) Toluene	10.246	92	270027	46.224	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	147425	47.127	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	165084	46.949	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	82498	47.641	ug/l	98
56) Ethyl methacrylate	10.508	69	109234	49.822	ug/l	98
57) 1,3-Dichloropropane	10.788	76	139415	48.244	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	200042	236.450	ug/l	95
59) 2-Hexanone	10.831	43	267736	259.979	ug/l	97
60) Dibromochloromethane	10.983	129	105722	48.464	ug/l	100
61) 1,2-Dibromoethane	11.087	107	77074	47.574	ug/l	98
64) Tetrachloroethene	10.721	164	122664	46.534	ug/l	97
65) Chlorobenzene	11.520	112	283235	45.296	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	108462	46.620	ug/l	99
67) Ethyl Benzene	11.593	91	521454	46.134	ug/l	99
68) m/p-Xylenes	11.703	106	408253	92.874	ug/l	100
69) o-Xylene	12.032	106	191450	46.809	ug/l	100
70) Styrene	12.044	104	323159	47.057	ug/l	99
71) Bromoform	12.209	173	67355	48.859	ug/l	98
73) Isopropylbenzene	12.331	105	518562	46.458	ug/l	99
74) N-amyl acetate	12.148	43	112244	49.050	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	88437	47.493	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	63468m	33.909	ug/l	
77) Bromobenzene	12.611	156	119824	46.401	ug/l	97
78) n-propylbenzene	12.672	91	616932	45.981	ug/l	100
79) 2-Chlorotoluene	12.757	91	342309	45.388	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	447172	46.792	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	33213	48.594	ug/l	99
82) 4-Chlorotoluene	12.855	91	355672	45.579	ug/l	99
83) tert-Butylbenzene	13.074	119	390310	48.191	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	435832	46.357	ug/l	99
85) sec-Butylbenzene	13.257	105	561023	46.388	ug/l	99
86) p-Isopropyltoluene	13.373	119	479366	46.975	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	238458	45.916	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	234536	45.427	ug/l	99
89) n-Butylbenzene	13.696	91	427750	46.303	ug/l	99
90) Hexachloroethane	13.965	117	89391	45.909	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	208976	46.156	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16170	50.529	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	127510	47.875	ug/l	100
94) Hexachlorobutadiene	15.117	225	79984	46.476	ug/l	99
95) Naphthalene	15.239	128	254651	46.192	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	110822	49.215	ug/l	98

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

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