

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
 Data File : VY007097.D
 Acq On : 10 Jan 2022 10:38
 Operator : SY/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 : John Carlone 01/11/2022
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 11 02:39:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	144296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	241779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	214079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	89017	51.566	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.140%			
35) Dibromofluoromethane	7.722	113	83648	51.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.820%			
50) Toluene-d8	10.185	98	306609	51.512	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.483	95	109665	51.086	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	32303	64.789	ug/l	99
3) Chloromethane	2.119	50	57983	55.520	ug/l	95
4) Vinyl Chloride	2.265	62	86801	57.250	ug/l	98
5) Bromomethane	2.668	94	58809	58.383	ug/l	98
6) Chloroethane	2.808	64	53979	58.110	ug/l	97
7) Trichlorofluoromethane	3.137	101	104493	56.285	ug/l	99
8) Diethyl Ether	3.533	74	51274	56.548	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.911	101	91439	57.312	ug/l	99
10) Methyl Iodide	4.094	142	141618	57.329	ug/l	99
11) Tert butyl alcohol	4.960	59	33971	246.820	ug/l	100
12) 1,1-Dichloroethene	3.881	96	93705	56.808	ug/l	99
13) Acrolein	3.735	56	10190	257.801	ug/l	95
14) Allyl chloride	4.484	41	148343	59.189	ug/l	99
15) Acrylonitrile	5.167	53	115461	277.341	ug/l	99
16) Acetone	3.954	43	81221	250.777	ug/l	99
17) Carbon Disulfide	4.204	76	272496	57.665	ug/l	100
18) Methyl Acetate	4.478	43	77727	52.319	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	181548	55.377	ug/l	98
20) Methylene Chloride	4.722	84	99323	58.921	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	100871	56.695	ug/l	98
22) Diisopropyl ether	6.124	45	295781	58.029	ug/l	98
23) Vinyl Acetate	6.063	43	878089	297.479	ug/l	100
24) 1,1-Dichloroethane	6.021	63	180418	58.020	ug/l	100
25) 2-Butanone	6.990	43	128465	256.704	ug/l	99
26) 2,2-Dichloropropane	6.984	77	133317	55.252	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	112212	56.021	ug/l	97
28) Bromochloromethane	7.338	49	73746	63.529	ug/l	97
29) Tetrahydrofuran	7.350	42	97455	271.892	ug/l	99
30) Chloroform	7.514	83	185038	56.514	ug/l	98
31) Cyclohexane	7.789	56	161656	54.408	ug/l	100
32) 1,1,1-Trichloroethane	7.710	97	159701	56.088	ug/l	99
36) 1,1-Dichloropropene	7.923	75	145035	56.802	ug/l	99
37) Ethyl Acetate	7.075	43	68742	55.009	ug/l	98
38) Carbon Tetrachloride	7.905	117	149830	56.160	ug/l	99
39) Methylcyclohexane	9.185	83	179209	56.120	ug/l	99
40) Benzene	8.167	78	387871	56.421	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	32743m	46.088	ug/l	
42) 1,2-Dichloroethane	8.240	62	118664	56.534	ug/l	99
43) Isopropyl Acetate	8.277	43	134097	55.300	ug/l	99
44) Trichloroethene	8.941	130	105309	55.362	ug/l	95
45) 1,2-Dichloropropane	9.221	63	97966	57.560	ug/l	94
46) Dibromomethane	9.307	93	56605	55.781	ug/l	99
47) Bromodichloromethane	9.502	83	141749	55.925	ug/l	100
48) Methyl methacrylate	9.295	41	62789	57.437	ug/l	99
49) 1,4-Dioxane	9.301	88	10812	1045.578	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	326280	273.158	ug/l	99
52) Toluene	10.246	92	247022	56.443	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	149152	56.313	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	168923	56.547	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	75448	54.723	ug/l	98
56) Ethyl methacrylate	10.514	69	105848	54.655	ug/l	96
57) 1,3-Dichloropropane	10.794	76	132930	54.946	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	223462	252.792	ug/l	99
59) 2-Hexanone	10.837	43	202179	260.910	ug/l	98
60) Dibromochloromethane	10.989	129	95151	55.312	ug/l	100
61) 1,2-Dibromoethane	11.093	107	75568	54.787	ug/l	99
64) Tetrachloroethene	10.721	164	84458	55.296	ug/l	97
65) Chlorobenzene	11.520	112	258676	56.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	95284	55.861	ug/l	99
67) Ethyl Benzene	11.599	91	486684	56.243	ug/l	99
68) m/p-Xylenes	11.709	106	360251	111.306	ug/l	100
69) o-Xylene	12.032	106	170255	56.156	ug/l	99
70) Styrene	12.050	104	289386	56.489	ug/l	99
71) Bromoform	12.215	173	54424	55.714	ug/l #	99
73) Isopropylbenzene	12.337	105	452978	56.138	ug/l	100
74) N-amyl acetate	12.148	43	113613	55.311	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	83321	54.146	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	61275m	56.617	ug/l	
77) Bromobenzene	12.611	156	99385	55.775	ug/l	100
78) n-propylbenzene	12.678	91	558933	56.702	ug/l	100
79) 2-Chlorotoluene	12.757	91	312974	55.810	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	373912	56.333	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	31628	54.890	ug/l #	96
82) 4-Chlorotoluene	12.861	91	328248	56.693	ug/l	100
83) tert-Butylbenzene	13.081	119	325822	55.739	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	365636	56.043	ug/l	99
85) sec-Butylbenzene	13.257	105	479248	56.262	ug/l	99
86) p-Isopropyltoluene	13.373	119	389677	55.878	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	190307	55.339	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	188846	55.154	ug/l	100
89) n-Butylbenzene	13.702	91	383216	56.340	ug/l	100
90) Hexachloroethane	13.964	117	77091	55.783	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	164579	54.504	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13554	52.892	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	98153	54.787	ug/l	99
94) Hexachlorobutadiene	15.117	225	50157	54.382	ug/l	99
95) Naphthalene	15.239	128	199267	53.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	81119	53.680	ug/l	100

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

