

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030922\
 Data File : VY007818.D
 Acq On : 09 Mar 2022 22:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2022
 Supervised By : Mahesh Dadoda 03/10/2022

Quant Time: Mar 10 01:06:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	196837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	323042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	304644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	160461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	109320	53.050	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.100%			
35) Dibromofluoromethane	7.722	113	103347	50.039	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.080%			
50) Toluene-d8	10.179	98	358347	47.135	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.280%			
62) 4-Bromofluorobenzene	12.483	95	122238	49.880	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	53501	40.784	ug/l	98
3) Chloromethane	2.113	50	88169	42.689	ug/l	95
4) Vinyl Chloride	2.253	62	118256	40.047	ug/l	99
5) Bromomethane	2.650	94	117233	49.121	ug/l	100
6) Chloroethane	2.796	64	93873	41.452	ug/l	100
7) Trichlorofluoromethane	3.131	101	142620	42.272	ug/l	93
8) Diethyl Ether	3.534	74	57042	52.542	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	91144	44.255	ug/l	95
10) Methyl Iodide	4.095	142	80466	32.112	ug/l	95
11) Tert butyl alcohol	4.954	59	49305	276.353	ug/l	96
12) 1,1-Dichloroethene	3.881	96	78312	42.844	ug/l	85
13) Acrolein	3.741	56	31706	202.098	ug/l	98
14) Allyl chloride	4.485	41	128059	46.578	ug/l #	87
15) Acrylonitrile	5.168	53	169062	295.021	ug/l	99
16) Acetone	3.942	43	123785	295.286	ug/l	96
17) Carbon Disulfide	4.198	76	194568	43.550	ug/l	97
18) Methyl Acetate	4.485	43	71961	59.769	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	300445	52.960	ug/l	97
20) Methylene Chloride	4.716	84	111846	56.100	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	97768	45.840	ug/l	85
22) Diisopropyl ether	6.125	45	366556	55.810	ug/l #	96
23) Vinyl Acetate	6.064	43	1222962	294.441	ug/l #	95
24) 1,1-Dichloroethane	6.021	63	193439	48.744	ug/l	99
25) 2-Butanone	6.990	43	221621	315.149	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	161435	45.711	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	121557	48.605	ug/l	92
28) Bromochloromethane	7.338	49	95764	56.742	ug/l	93
29) Tetrahydrofuran	7.350	42	152846	317.654	ug/l	92
30) Chloroform	7.509	83	210415	51.179	ug/l	97
31) Cyclohexane	7.789	56	146382	45.771	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	176767	48.310	ug/l	99
36) 1,1-Dichloropropene	7.917	75	142527	43.869	ug/l	100
37) Ethyl Acetate	7.076	43	97787	54.494	ug/l	97
38) Carbon Tetrachloride	7.905	117	152763	44.079	ug/l	97
39) Methylcyclohexane	9.185	83	161932	40.555	ug/l	93
40) Benzene	8.161	78	427240	47.251	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	47366m	55.236	ug/l	
42) 1,2-Dichloroethane	8.240	62	144154	51.093	ug/l	93
43) Isopropyl Acetate	8.277	43	186204	56.110	ug/l	95
44) Trichloroethene	8.941	130	109388	43.560	ug/l	93
45) 1,2-Dichloropropane	9.216	63	118739	50.781	ug/l	96
46) Dibromomethane	9.307	93	73915	52.662	ug/l	92
47) Bromodichloromethane	9.496	83	175149	53.204	ug/l	100
48) Methyl methacrylate	9.295	41	80544	55.994	ug/l #	87
49) 1,4-Dioxane	9.295	88	19050	1124.241	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	538839	303.463	ug/l	94
52) Toluene	10.246	92	279124	47.743	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	172782	51.120	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	187245	50.143	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	102213	53.530	ug/l	97
56) Ethyl methacrylate	10.514	69	134506	53.058	ug/l	89
57) 1,3-Dichloropropane	10.795	76	169267	52.422	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	396304	286.652	ug/l	99
59) 2-Hexanone	10.831	43	368195	307.919	ug/l	92
60) Dibromochloromethane	10.984	129	125215	55.072	ug/l	100
61) 1,2-Dibromoethane	11.087	107	96010	52.752	ug/l	99
64) Tetrachloroethene	10.721	164	90122	39.909	ug/l	98
65) Chlorobenzene	11.514	112	308538	46.487	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	122972	49.546	ug/l	98
67) Ethyl Benzene	11.593	91	543186	45.382	ug/l	98
68) m/p-Xylenes	11.703	106	420153	91.486	ug/l	93
69) o-Xylene	12.032	106	206618	47.477	ug/l	92
70) Styrene	12.044	104	362695	49.773	ug/l	95
71) Bromoform	12.209	173	81175	52.526	ug/l #	98
73) Isopropylbenzene	12.331	105	539491	43.157	ug/l	100
74) N-amyl acetate	12.142	43	174285	52.375	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	133190	50.800	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	97446m	54.379	ug/l	
77) Bromobenzene	12.611	156	132505	46.019	ug/l	96
78) n-propylbenzene	12.672	91	658017	43.622	ug/l	100
79) 2-Chlorotoluene	12.758	91	359102	44.488	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	444941	44.513	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	41952	47.861	ug/l	91
82) 4-Chlorotoluene	12.855	91	379446	45.702	ug/l	97
83) tert-Butylbenzene	13.075	119	405200	44.071	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	447190	45.419	ug/l	98
85) sec-Butylbenzene	13.251	105	609191	44.790	ug/l	98
86) p-Isopropyltoluene	13.367	119	497490	44.287	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	262696	45.848	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	263216	46.545	ug/l	98
89) n-Butylbenzene	13.697	91	466590	43.948	ug/l	98
90) Hexachloroethane	13.959	117	97923	45.987	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	241353	47.438	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20479	51.577	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	137379	42.651	ug/l	100
94) Hexachlorobutadiene	15.111	225	78114	41.018	ug/l	99
95) Naphthalene	15.233	128	309914	47.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	129280	45.035	ug/l	99

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

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