

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009548.D
 Acq On : 13 Jul 2022 09:27
 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 : John Carlone 07/14/2022
 Supervised By : Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 02:42:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	169200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	262095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	248950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	59552	49.960	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.920%		
35) Dibromofluoromethane	7.710	113	64585	46.832	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.660%		
50) Toluene-d8	10.173	98	190397	50.424	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	100.840%		
62) 4-Bromofluorobenzene	12.477	95	105024	53.951	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	107.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	62040	47.814	ug/l	96
3) Chloromethane	2.107	50	68061	46.971	ug/l	98
4) Vinyl Chloride	2.241	62	83835	50.818	ug/l	98
5) Bromomethane	2.638	94	56257	47.466	ug/l	99
6) Chloroethane	2.784	64	49195	51.076	ug/l	100
7) Trichlorofluoromethane	3.113	101	121310	55.076	ug/l	91
8) Diethyl Ether	3.522	74	41658	49.435	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	71927	48.198	ug/l	95
10) Methyl Iodide	4.082	142	95309	47.735	ug/l	91
11) Tert butyl alcohol	4.948	59	39726	174.269	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	70085	50.634	ug/l	92
13) Acrolein	3.717	56	25872	200.146	ug/l	100
14) Allyl chloride	4.466	41	119737	50.278	ug/l	95
15) Acrylonitrile	5.149	53	112426	242.468	ug/l	98
16) Acetone	3.936	43	100380	243.875	ug/l	94
17) Carbon Disulfide	4.186	76	205907	45.228	ug/l	99
18) Methyl Acetate	4.460	43	51551	42.656	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	211788	50.554	ug/l	100
20) Methylene Chloride	4.704	84	82508	41.536	ug/l	93
21) trans-1,2-Dichloroethene	5.204	96	83065	51.217	ug/l	90
22) Diisopropyl ether	6.112	45	287720	56.828	ug/l	93
23) Vinyl Acetate	6.052	43	931425	264.746	ug/l	95
24) 1,1-Dichloroethane	6.003	63	145572	50.985	ug/l	100
25) 2-Butanone	6.978	43	166826	250.548	ug/l #	91
26) 2,2-Dichloropropane	6.972	77	141095	50.139	ug/l	96
27) cis-1,2-Dichloroethene	6.972	96	97076	50.842	ug/l	90
28) Bromochloromethane	7.326	49	62869	52.389	ug/l #	91
29) Tetrahydrofuran	7.338	42	107899	250.540	ug/l	94
30) Chloroform	7.502	83	155310	49.702	ug/l	97
31) Cyclohexane	7.777	56	135822	48.928	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	142410	51.691	ug/l	97
36) 1,1-Dichloropropene	7.911	75	118760	52.896	ug/l	97
37) Ethyl Acetate	7.064	43	71250	50.627	ug/l	97
38) Carbon Tetrachloride	7.893	117	128458	53.498	ug/l	98
39) Methylcyclohexane	9.179	83	144646	53.672	ug/l	92
40) Benzene	8.155	78	346581	52.569	ug/l	96

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41) Methacrylonitrile	7.295	41	40331m	55.189	ug/l	
42) 1,2-Dichloroethane	8.228	62	106168	53.639	ug/l	93
43) Isopropyl Acetate	8.265	43	137418	52.332	ug/l	96
44) Trichloroethene	8.935	130	95733	51.402	ug/l	99
45) 1,2-Dichloropropane	9.210	63	86912	52.091	ug/l	95
46) Dibromomethane	9.301	93	51138	52.221	ug/l	97
47) Bromodichloromethane	9.490	83	122150	52.407	ug/l	100
48) Methyl methacrylate	9.289	41	62085	54.876	ug/l	93
49) 1,4-Dioxane	9.289	88	14719	1020.647	ug/l	92
51) 4-Methyl-2-Pentanone	10.063	43	378871	274.358	ug/l	95
52) Toluene	10.240	92	234625	55.847	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	136810	55.699	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	144549	52.777	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	74336	52.619	ug/l	96
56) Ethyl methacrylate	10.508	69	105989	56.510	ug/l	89
57) 1,3-Dichloropropane	10.788	76	125257	53.784	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	242876	265.080	ug/l	97
59) 2-Hexanone	10.831	43	272840	285.130	ug/l	93
60) Dibromochloromethane	10.977	129	92078	53.823	ug/l	99
61) 1,2-Dibromoethane	11.087	107	71448	52.755	ug/l	100
64) Tetrachloroethene	10.715	164	94045	45.183	ug/l	99
65) Chlorobenzene	11.514	112	254845	52.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	97139	52.816	ug/l	98
67) Ethyl Benzene	11.593	91	457617	53.612	ug/l	96
68) m/p-Xylenes	11.697	106	371458	111.582	ug/l	92
69) o-Xylene	12.026	106	179242	56.173	ug/l	90
70) Styrene	12.044	104	303826	57.006	ug/l	95
71) Bromoform	12.203	173	63118	53.844	ug/l #	98
73) Isopropylbenzene	12.325	105	468864	51.591	ug/l	98
74) N-amyl acetate	12.142	43	137893	53.328	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	94154	51.742	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	68117m	48.423	ug/l	
77) Bromobenzene	12.605	156	111438	50.368	ug/l	95
78) n-propylbenzene	12.672	91	573060	52.193	ug/l	97
79) 2-Chlorotoluene	12.758	91	319301	51.944	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	397568	52.336	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	34238	49.813	ug/l	89
82) 4-Chlorotoluene	12.855	91	341952	53.082	ug/l	97
83) tert-Butylbenzene	13.075	119	349551	51.722	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	396235	52.404	ug/l	96
85) sec-Butylbenzene	13.251	105	529917	53.240	ug/l	99
86) p-Isopropyltoluene	13.367	119	441805	53.251	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	225572	51.650	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	227372	51.440	ug/l	98
89) n-Butylbenzene	13.697	91	415690	53.655	ug/l	98
90) Hexachloroethane	13.959	117	82944	50.953	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	202571	50.626	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15576	48.836	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	119254	48.866	ug/l	99
94) Hexachlorobutadiene	15.111	225	66528	49.585	ug/l	99
95) Naphthalene	15.233	128	242994	48.158	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	102421	48.456	ug/l	99

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

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