

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014663.D
 Acq On : 17 Jul 2023 11:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 18 06:06:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	307698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	507929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	451443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	223671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	175142	49.950	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.900%		
35) Dibromofluoromethane	7.710	113	161637	49.991	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.980%		
50) Toluene-d8	10.179	98	570379	47.848	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.700%		
62) 4-Bromofluorobenzene	12.477	95	220294	48.195	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	112940	45.052	ug/l	93
3) Chloromethane	2.107	50	142106	50.429	ug/l	99
4) Vinyl Chloride	2.247	62	160741	51.039	ug/l	97
5) Bromomethane	2.638	94	113229	54.404	ug/l	97
6) Chloroethane	2.784	64	103816	52.773	ug/l	97
7) Trichlorofluoromethane	3.113	101	259737	49.106	ug/l	97
8) Diethyl Ether	3.522	74	102987	52.331	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	159070	49.065	ug/l	95
10) Methyl Iodide	4.076	142	180924	52.518	ug/l	96
11) Tert butyl alcohol	4.942	59	206224	290.485	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	148560	49.029	ug/l	95
13) Acrolein	3.723	56	82642	225.501	ug/l	98
14) Allyl chloride	4.466	41	264667	49.195	ug/l	95
15) Acrylonitrile	5.149	53	326653	300.999	ug/l	97
16) Acetone	3.942	43	325646	293.080	ug/l	91
17) Carbon Disulfide	4.186	76	402266	46.371	ug/l	98
18) Methyl Acetate	4.466	43	260867	61.180	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	537134	54.572	ug/l	99
20) Methylene Chloride	4.704	84	190171	52.933	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	169721	49.357	ug/l	98
22) Diisopropyl ether	6.113	45	560807	51.271	ug/l	92
23) Vinyl Acetate	6.052	43	1768210	270.135	ug/l	96
24) 1,1-Dichloroethane	6.009	63	318064	50.820	ug/l	97
25) 2-Butanone	6.978	43	491382	302.286	ug/l	97
26) 2,2-Dichloropropane	6.972	77	295779	49.588	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	207286	51.789	ug/l	97
28) Bromochloromethane	7.326	49	138233	51.284	ug/l	94
29) Tetrahydrofuran	7.338	42	304133	303.847	ug/l	93
30) Chloroform	7.496	83	331918	51.429	ug/l	98
31) Cyclohexane	7.777	56	258426	44.399	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	290926	50.085	ug/l	99
36) 1,1-Dichloropropene	7.911	75	238015	49.224	ug/l	99
37) Ethyl Acetate	7.064	43	195643	58.767	ug/l #	95
38) Carbon Tetrachloride	7.893	117	259136	50.698	ug/l	99
39) Methylcyclohexane	9.179	83	297310	47.195	ug/l	96
40) Benzene	8.155	78	697370	50.710	ug/l	98

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41) Methacrylonitrile	7.301	41	103306m	60.329	ug/l	
42) 1,2-Dichloroethane	8.234	62	232102	53.297	ug/l	94
43) Isopropyl Acetate	8.265	43	359272	56.652	ug/l	97
44) Trichloroethene	8.935	130	196338	51.027	ug/l	100
45) 1,2-Dichloropropane	9.210	63	183254	51.032	ug/l	97
46) Dibromomethane	9.301	93	116390	53.427	ug/l	97
47) Bromodichloromethane	9.490	83	268710	52.335	ug/l	97
48) Methyl methacrylate	9.289	41	162506	56.948	ug/l	93
49) 1,4-Dioxane	9.289	88	44190	1244.023	ug/l #	46
51) 4-Methyl-2-Pentanone	10.069	43	996079	299.151	ug/l	94
52) Toluene	10.240	92	444829	50.549	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	295020	52.530	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	316801	51.871	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	165594	54.570	ug/l	97
56) Ethyl methacrylate	10.508	69	259186	55.941	ug/l	91
57) 1,3-Dichloropropane	10.789	76	281348	53.754	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.777	63	595315	275.760	ug/l	94
59) 2-Hexanone	10.825	43	732563	301.691	ug/l	92
60) Dibromochloromethane	10.984	129	202454	54.415	ug/l	99
61) 1,2-Dibromoethane	11.087	107	165552	54.687	ug/l	100
64) Tetrachloroethene	10.715	164	185947	51.214	ug/l	97
65) Chlorobenzene	11.514	112	490728	51.011	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	192050	52.947	ug/l	98
67) Ethyl Benzene	11.593	91	868945	50.028	ug/l	97
68) m/p-Xylenes	11.703	106	664736	100.258	ug/l	96
69) o-Xylene	12.026	106	327754	50.752	ug/l	99
70) Styrene	12.044	104	560076	51.457	ug/l	98
71) Bromoform	12.203	173	141145	57.408	ug/l	98
73) Isopropylbenzene	12.325	105	853183	48.716	ug/l	99
74) N-amyl acetate	12.142	43	316452	53.950	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	217228	54.391	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	158403m	56.074	ug/l	
77) Bromobenzene	12.605	156	208827	52.236	ug/l	95
78) n-propylbenzene	12.666	91	1024228	48.532	ug/l	99
79) 2-Chlorotoluene	12.752	91	596795	49.097	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	718924	49.153	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	81229	55.674	ug/l	93
82) 4-Chlorotoluene	12.855	91	619517	49.486	ug/l	100
83) tert-Butylbenzene	13.075	119	635956	49.016	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	716760	49.934	ug/l	100
85) sec-Butylbenzene	13.252	105	934892	49.120	ug/l	100
86) p-Isopropyltoluene	13.367	119	778729	50.112	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	398475	51.214	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	401170	51.453	ug/l	99
89) n-Butylbenzene	13.697	91	738527	48.849	ug/l	95
90) Hexachloroethane	13.959	117	159966	50.117	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	368576	51.704	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	44250	57.935	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	240423	53.130	ug/l	99
94) Hexachlorobutadiene	15.111	225	127791	51.389	ug/l	98
95) Naphthalene	15.233	128	599054	56.822	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	215488	53.581	ug/l	98

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

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