

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009500.D
 Acq On : 11 Jul 2022 09:19
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 12 05:01:07 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

Manual Integrations APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	202177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	321039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	296938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	68067	47.466	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.940%		
35) Dibromofluoromethane	7.710	113	76017	45.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.000%		
50) Toluene-d8	10.179	98	226703	48.745	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.477	95	120829	50.674	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	101.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	73532	47.427	ug/l	97
3) Chloromethane	2.113	50	83878	48.445	ug/l	94
4) Vinyl Chloride	2.247	62	103920	52.718	ug/l	98
5) Bromomethane	2.644	94	63282	44.684	ug/l	98
6) Chloroethane	2.790	64	54571	47.416	ug/l	98
7) Trichlorofluoromethane	3.119	101	134383	51.060	ug/l	94
8) Diethyl Ether	3.528	74	48397	48.065	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	86574	48.550	ug/l	96
10) Methyl Iodide	4.088	142	115039	48.176	ug/l	90
11) Tert butyl alcohol	4.948	59	47834	175.806	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	84404	51.032	ug/l	88
13) Acrolein	3.729	56	27772	182.875	ug/l	92
14) Allyl chloride	4.473	41	153782	54.041	ug/l	96
15) Acrylonitrile	5.155	53	138008	249.093	ug/l	99
16) Acetone	3.942	43	134508	273.487	ug/l	92
17) Carbon Disulfide	4.186	76	258406	47.279	ug/l	99
18) Methyl Acetate	4.466	43	63537	43.999	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	258026	51.545	ug/l	96
20) Methylene Chloride	4.704	84	98989	41.726	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	101585	52.419	ug/l	91
22) Diisopropyl ether	6.112	45	343521	56.782	ug/l	94
23) Vinyl Acetate	6.052	43	1119299	266.260	ug/l	96
24) 1,1-Dichloroethane	6.009	63	179220	52.532	ug/l	99
25) 2-Butanone	6.978	43	210664	264.780	ug/l	92
26) 2,2-Dichloropropane	6.978	77	172257	51.229	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	119485	52.371	ug/l	92
28) Bromochloromethane	7.326	49	77556	54.087	ug/l	88
29) Tetrahydrofuran	7.338	42	132718	257.904	ug/l	94
30) Chloroform	7.502	83	187524	50.222	ug/l	97
31) Cyclohexane	7.783	56	170259	51.330	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	168756	51.263	ug/l	97
36) 1,1-Dichloropropene	7.911	75	146798	53.379	ug/l	98
37) Ethyl Acetate	7.070	43	87212	50.591	ug/l	97
38) Carbon Tetrachloride	7.899	117	153305	52.123	ug/l	96
39) Methylcyclohexane	9.179	83	183413	55.561	ug/l	92
40) Benzene	8.155	78	425821	52.730	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	45598m	50.940	ug/l	
42) 1,2-Dichloroethane	8.234	62	126235	52.067	ug/l	93
43) Isopropyl Acetate	8.271	43	164052	51.004	ug/l	94
44) Trichloroethene	8.935	130	120405	52.779	ug/l	95
45) 1,2-Dichloropropane	9.209	63	108082	52.885	ug/l	97
46) Dibromomethane	9.301	93	61719	51.454	ug/l	98
47) Bromodichloromethane	9.496	83	148052	51.857	ug/l	98
48) Methyl methacrylate	9.289	41	76082	54.901	ug/l	91
49) 1,4-Dioxane	9.295	88	17599	996.291	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	444741	262.926	ug/l	95
52) Toluene	10.240	92	282641	54.924	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	161998	53.844	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	178115	53.093	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	89747	51.864	ug/l	99
56) Ethyl methacrylate	10.508	69	125380	54.575	ug/l	86
57) 1,3-Dichloropropane	10.788	76	151078	52.961	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	305260	271.997	ug/l	95
59) 2-Hexanone	10.831	43	324541	276.889	ug/l	93
60) Dibromochloromethane	10.984	129	110815	52.883	ug/l	98
61) 1,2-Dibromoethane	11.087	107	87047	52.472	ug/l	99
64) Tetrachloroethene	10.715	164	133817	53.900	ug/l	96
65) Chlorobenzene	11.514	112	303955	52.120	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	112703	51.375	ug/l	98
67) Ethyl Benzene	11.593	91	544614	53.492	ug/l	97
68) m/p-Xylenes	11.697	106	431009	108.547	ug/l	93
69) o-Xylene	12.026	106	207188	54.437	ug/l	91
70) Styrene	12.044	104	347981	54.739	ug/l	95
71) Bromoform	12.209	173	73936	52.880	ug/l #	98
73) Isopropylbenzene	12.331	105	547043	54.084	ug/l	99
74) N-amyl acetate	12.142	43	153026	53.173	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	102271	50.498	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	79527m	50.796	ug/l	
77) Bromobenzene	12.611	156	128118	52.030	ug/l	97
78) n-propylbenzene	12.672	91	658340	53.874	ug/l	97
79) 2-Chlorotoluene	12.758	91	372473	54.444	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	453055	53.587	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	38991	50.970	ug/l	88
82) 4-Chlorotoluene	12.855	91	386727	53.939	ug/l	97
83) tert-Butylbenzene	13.075	119	399024	53.049	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	447297	53.153	ug/l	96
85) sec-Butylbenzene	13.251	105	595966	53.799	ug/l	98
86) p-Isopropyltoluene	13.367	119	490774	53.149	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	250598	51.557	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	254256	51.684	ug/l	98
89) n-Butylbenzene	13.696	91	466987	54.158	ug/l	97
90) Hexachloroethane	13.959	117	96482	53.253	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	226934	50.958	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18042	50.826	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	139402	51.324	ug/l	99
94) Hexachlorobutadiene	15.111	225	76200	51.029	ug/l	97
95) Naphthalene	15.233	128	286269	50.976	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	118863	50.527	ug/l	99

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

