

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070722\
 Data File : VY009463.D
 Acq On : 07 Jul 2022 10:15
 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 08 02:29:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 02:20:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	141699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	246493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	256553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132214	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	50175	50.308	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.620%	
35) Dibromofluoromethane	7.710	113	60678	46.784	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.560%	
50) Toluene-d8	10.173	98	230375	67.653	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 135.300%#	
62) 4-Bromofluorobenzene	12.477	95	117622	64.247	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 128.500%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	58283	53.636	ug/l	98
3) Chloromethane	2.107	50	66262	54.605	ug/l	98
4) Vinyl Chloride	2.247	62	75060	54.329	ug/l	98
5) Bromomethane	2.637	94	49383	49.753	ug/l	98
6) Chloroethane	2.784	64	44419	55.068	ug/l	94
7) Trichlorofluoromethane	3.113	101	108695	58.927	ug/l	97
8) Diethyl Ether	3.521	74	33844	47.957	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.887	101	65511	52.418	ug/l	92
10) Methyl Iodide	4.082	142	83764	49.889	ug/l	92
11) Tert butyl alcohol	4.948	59	35543	187.911	ug/l	96
12) 1,1-Dichloroethene	3.863	96	57111	49.268	ug/l	81
13) Acrolein	3.723	56	15094	169.650	ug/l	94
14) Allyl chloride	4.473	41	82120	37.728	ug/l #	91
15) Acrylonitrile	5.155	53	84992	218.877	ug/l	99
16) Acetone	3.936	43	91420	225.454	ug/l	92
17) Carbon Disulfide	4.186	76	123611	33.673	ug/l	99
18) Methyl Acetate	4.460	43	38136	37.680	ug/l #	85
19) Methyl tert-butyl Ether	5.210	73	174715	49.799	ug/l	92
20) Methylene Chloride	4.704	84	71506	43.166	ug/l #	81
21) trans-1,2-Dichloroethene	5.210	96	65027	47.876	ug/l #	76
22) Diisopropyl ether	6.112	45	188148	43.080	ug/l #	91
23) Vinyl Acetate	6.051	43	622847	197.908	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	112554	47.072	ug/l	98
25) 2-Butanone	6.978	43	120325	215.782	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	115449	48.988	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	80060	50.068	ug/l	84
28) Bromochloromethane	7.326	49	49034	48.791	ug/l #	66
29) Tetrahydrofuran	7.338	42	71082	197.085	ug/l #	83
30) Chloroform	7.496	83	127724	48.807	ug/l	100
31) Cyclohexane	7.777	56	84920	36.529	ug/l	92
32) 1,1,1-Trichloroethane	7.691	97	120372	52.172	ug/l	95
36) 1,1-Dichloropropene	7.911	75	87583	41.479	ug/l	95
37) Ethyl Acetate	7.064	43	50454	38.120	ug/l #	94
38) Carbon Tetrachloride	7.893	117	111384	49.323	ug/l	97
39) Methylcyclohexane	9.179	83	145502	57.407	ug/l	91
40) Benzene	8.155	78	256965	41.443	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	68482	99.642	ug/l #	42
42) 1,2-Dichloroethane	8.228	62	83131	44.658	ug/l	93
43) Isopropyl Acetate	8.265	43	96702	39.157	ug/l #	91
44) Trichloroethene	8.929	130	106153	60.604	ug/l	96
45) 1,2-Dichloropropane	9.209	63	100787	64.230	ug/l	94
46) Dibromomethane	9.301	93	56991	61.882	ug/l	97
47) Bromodichloromethane	9.490	83	138461	63.165	ug/l	99
48) Methyl methacrylate	9.289	41	67380	63.326	ug/l #	90
49) 1,4-Dioxane	9.295	88	16111	1187.884	ug/l #	88
51) 4-Methyl-2-Pentanone	10.063	43	416365	320.593	ug/l	93
52) Toluene	10.240	92	252656	63.946	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	148654	64.352	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	165148	64.115	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	84348	63.486	ug/l	97
56) Ethyl methacrylate	10.508	69	117652	66.698	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	142618	65.115	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	301265	349.620	ug/l	96
59) 2-Hexanone	10.825	43	296966	329.986	ug/l	91
60) Dibromochloromethane	10.977	129	102801	63.895	ug/l	98
61) 1,2-Dibromoethane	11.087	107	80072	62.865	ug/l	99
64) Tetrachloroethene	10.715	164	115271	53.739	ug/l	94
65) Chlorobenzene	11.514	112	278090	55.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	104913	55.352	ug/l	97
67) Ethyl Benzene	11.587	91	485209	55.160	ug/l	98
68) m/p-Xylenes	11.697	106	380277	110.846	ug/l	94
69) o-Xylene	12.026	106	185366	56.370	ug/l	93
70) Styrene	12.038	104	312632	56.920	ug/l	96
71) Bromoform	12.203	173	67547	55.915	ug/l #	98
73) Isopropylbenzene	12.325	105	490809	54.280	ug/l	99
74) N-amyl acetate	12.142	43	135649	52.727	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	95811	52.921	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	129854	92.780	ug/l #	100
77) Bromobenzene	12.605	156	118408	53.791	ug/l	94
78) n-propylbenzene	12.666	91	588975	53.916	ug/l	97
79) 2-Chlorotoluene	12.752	91	334550	54.702	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	409289	54.153	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	36060	52.731	ug/l #	84
82) 4-Chlorotoluene	12.849	91	347987	54.293	ug/l	97
83) tert-Butylbenzene	13.075	119	366260	54.470	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	412561	54.841	ug/l	99
85) sec-Butylbenzene	13.251	105	541981	54.730	ug/l	98
86) p-Isopropyltoluene	13.367	119	449697	54.478	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	229363	52.786	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	232748	52.924	ug/l	98
89) n-Butylbenzene	13.690	91	423424	54.931	ug/l	98
90) Hexachloroethane	13.959	117	88342	54.545	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	211621	53.157	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	16876	53.181	ug/l	79
93) 1,2,4-Trichlorobenzene	15.001	180	131889	54.319	ug/l	98
94) Hexachlorobutadiene	15.111	225	72283	54.149	ug/l	97
95) Naphthalene	15.233	128	281407	56.055	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	113836	54.131	ug/l	98

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

