

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071422\
 Data File : VY009569.D
 Acq On : 14 Jul 2022 17:59
 Operator : KP/MD
 Sample : VSTDC0050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDC0050EC

Quant Time: Jul 15 01:22:42 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	165713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	260172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	245512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134252	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	47995	39.793	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.580%
35) Dibromofluoromethane	7.710	113	53020	38.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.460%
50) Toluene-d8	10.173	98	155200	39.672	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	79.340%
62) 4-Bromofluorobenzene	12.477	95	87813	45.443	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	90.880%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	184532	145.210	ug/l	99
3) Chloromethane	2.107	50	59724	42.085	ug/l	91
4) Vinyl Chloride	2.241	62	77779	48.139	ug/l	97
5) Bromomethane	2.637	94	59223	51.020	ug/l	97
6) Chloroethane	2.784	64	53025	56.211	ug/l	98
7) Trichlorofluoromethane	3.113	101	114111	52.898	ug/l	96
8) Diethyl Ether	3.521	74	40301	48.831	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.881	101	69581	47.607	ug/l	96
10) Methyl Iodide	4.076	142	95071	48.540	ug/l	92
11) Tert butyl alcohol	4.942	59	39745	178.567	ug/l #	94
12) 1,1-Dichloroethene	3.857	96	66375	48.962	ug/l	87
13) Acrolein	3.722	56	9747	95.596	ug/l	93
14) Allyl chloride	4.466	41	116962	50.146	ug/l	97
15) Acrylonitrile	5.149	53	111891	246.392	ug/l	98
16) Acetone	3.936	43	94164	233.587	ug/l	97
17) Carbon Disulfide	4.180	76	187598	42.382	ug/l	100
18) Methyl Acetate	4.466	43	52167	44.075	ug/l	92
19) Methyl tert-butyl Ether	5.204	73	213250	51.974	ug/l	96
20) Methylene Chloride	4.698	84	87265	45.273	ug/l	88
21) trans-1,2-Dichloroethene	5.198	96	81046	51.023	ug/l	88
22) Diisopropyl ether	6.106	45	285710	57.618	ug/l	94
23) Vinyl Acetate	6.045	43	925858	268.719	ug/l	95
24) 1,1-Dichloroethane	6.003	63	143955	51.480	ug/l	99
25) 2-Butanone	6.978	43	162304	248.886	ug/l	96
26) 2,2-Dichloropropane	6.972	77	136587	49.559	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	94125	50.334	ug/l	93
28) Bromochloromethane	7.319	49	57909	49.271	ug/l #	89
29) Tetrahydrofuran	7.338	42	109059	258.562	ug/l	94
30) Chloroform	7.496	83	150820	49.281	ug/l	94
31) Cyclohexane	7.777	56	127937	47.058	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	135002	50.034	ug/l	97
36) 1,1-Dichloropropene	7.905	75	114531	51.389	ug/l	96
37) Ethyl Acetate	7.063	43	72834	52.135	ug/l	96
38) Carbon Tetrachloride	7.886	117	122239	51.284	ug/l	98
39) Methylcyclohexane	9.173	83	138416	51.740	ug/l	91
40) Benzene	8.149	78	342216	52.291	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	36313	50.058	ug/l #	44
42) 1,2-Dichloroethane	8.228	62	104035	52.949	ug/l	95
43) Isopropyl Acetate	8.264	43	140213	53.791	ug/l	95
44) Trichloroethene	8.935	130	95697	51.762	ug/l	93
45) 1,2-Dichloropropane	9.209	63	86424	52.181	ug/l	95
46) Dibromomethane	9.295	93	51201	52.672	ug/l	99
47) Bromodichloromethane	9.490	83	123723	53.474	ug/l	99
48) Methyl methacrylate	9.289	41	61269	54.555	ug/l	92
49) 1,4-Dioxane	9.289	88	15022	1049.357	ug/l	92
51) 4-Methyl-2-Pentanone	10.063	43	383746	279.942	ug/l	95
52) Toluene	10.240	92	226942	54.418	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	135240	55.467	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	144624	53.195	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	75190	53.617	ug/l	97
56) Ethyl methacrylate	10.502	69	107860	57.932	ug/l	87
57) 1,3-Dichloropropane	10.788	76	126406	54.679	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	228203	250.907	ug/l	96
59) 2-Hexanone	10.825	43	276022	290.587	ug/l	94
60) Dibromochloromethane	10.983	129	93839	55.258	ug/l	99
61) 1,2-Dibromoethane	11.081	107	71267	53.010	ug/l	97
64) Tetrachloroethene	10.715	164	92019	44.828	ug/l	97
65) Chlorobenzene	11.514	112	252592	52.385	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	96039	52.949	ug/l	96
67) Ethyl Benzene	11.587	91	450450	53.511	ug/l	96
68) m/p-Xylenes	11.697	106	361660	110.161	ug/l	92
69) o-Xylene	12.026	106	175827	55.874	ug/l	90
70) Styrene	12.038	104	299471	56.976	ug/l	96
71) Bromoform	12.203	173	64036	55.392	ug/l #	99
73) Isopropylbenzene	12.325	105	460476	50.153	ug/l	98
74) N-amyl acetate	12.142	43	140110	53.634	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	95118	51.740	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	66278m	46.637	ug/l	
77) Bromobenzene	12.605	156	112603	50.377	ug/l	96
78) n-propylbenzene	12.666	91	565846	51.012	ug/l	98
79) 2-Chlorotoluene	12.751	91	316917	51.032	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	390511	50.885	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	34868	50.214	ug/l	87
82) 4-Chlorotoluene	12.849	91	332498	51.089	ug/l	96
83) tert-Butylbenzene	13.074	119	352101	51.569	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	390214	51.083	ug/l	97
85) sec-Butylbenzene	13.251	105	522917	52.003	ug/l	99
86) p-Isopropyltoluene	13.367	119	432344	51.581	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	225182	51.037	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	227002	50.834	ug/l	98
89) n-Butylbenzene	13.696	91	409853	52.363	ug/l	97
90) Hexachloroethane	13.958	117	84215	51.207	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	205942	50.945	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15888	49.308	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	127103	51.553	ug/l	99
94) Hexachlorobutadiene	15.111	225	66166	48.814	ug/l	97
95) Naphthalene	15.233	128	268082	52.590	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	109752	51.396	ug/l	99

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

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