

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009046.D
 Acq On : 24 May 2022 07:26
 Operator : KP/MD
 Sample : N2948-08MSD
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P035-SS001-1218-01MSD

Quant Time: May 24 07:50:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	78953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	144946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	149392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	42536	52.347	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.700%			
35) Dibromofluoromethane	7.716	113	42282	46.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.820%			
50) Toluene-d8	10.179	98	137295	41.290	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 82.580%			
62) 4-Bromofluorobenzene	12.483	95	70207	52.341	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	46817	64.833	ug/l	95
3) Chloromethane	2.113	50	73358	70.910	ug/l	94
4) Vinyl Chloride	2.253	62	102527	66.894	ug/l	100
5) Bromomethane	2.650	94	81955	54.549	ug/l	98
6) Chloroethane	2.790	64	70317	64.759	ug/l	98
7) Trichlorofluoromethane	3.125	101	80893	62.149	ug/l	92
8) Diethyl Ether	3.534	74	28365	69.694	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	49857	62.324	ug/l	94
10) Methyl Iodide	4.088	142	58621	70.966	ug/l	93
11) Tert butyl alcohol	4.954	59	24683	299.474	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	46867	63.111	ug/l	86
14) Allyl chloride	4.479	41	73231	65.435	ug/l #	87
15) Acrylonitrile	5.161	53	76353	335.061	ug/l	97
16) Acetone	3.942	43	62735	370.900	ug/l	94
17) Carbon Disulfide	4.192	76	153275	63.177	ug/l	99
18) Methyl Acetate	4.472	43	53120	100.853	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	155394	69.716	ug/l	96
20) Methylene Chloride	4.710	84	69104	77.581	ug/l #	85
21) trans-1,2-Dichloroethene	5.222	96	62340	65.403	ug/l	88
22) Diisopropyl ether	6.118	45	182761	67.974	ug/l #	93
23) Vinyl Acetate	6.058	43	308502m	173.460	ug/l	
24) 1,1-Dichloroethane	6.015	63	109269	67.947	ug/l	98
25) 2-Butanone	6.984	43	103639	343.054	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	84198	56.838	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	71373	66.425	ug/l	88
28) Bromochloromethane	7.338	49	35865	64.976	ug/l	90
29) Tetrahydrofuran	7.344	42	69364	338.007	ug/l #	87
30) Chloroform	7.508	83	117475	67.673	ug/l	97
31) Cyclohexane	7.783	56	94939	59.723	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	102687	65.202	ug/l	99
36) 1,1-Dichloropropene	7.917	75	88446	57.661	ug/l	99
37) Ethyl Acetate	7.070	43	36448	45.808	ug/l #	96
38) Carbon Tetrachloride	7.899	117	92365	57.563	ug/l	95
39) Methylcyclohexane	9.185	83	109633	55.372	ug/l	88
40) Benzene	8.161	78	271822	61.454	ug/l	96
41) Methacrylonitrile	7.319	41	23019m	56.063	ug/l	

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42) 1,2-Dichloroethane	8.240	62	82503	63.521	ug/l	94
43) Isopropyl Acetate	8.271	43	80348	54.308	ug/l #	90
44) Trichloroethene	8.935	130	71179	60.776	ug/l	98
45) 1,2-Dichloropropane	9.215	63	66980	63.066	ug/l	96
46) Dibromomethane	9.301	93	42682	63.202	ug/l	93
47) Bromodichloromethane	9.496	83	96653	62.624	ug/l	98
48) Methyl methacrylate	9.289	41	45364	68.668	ug/l #	82
49) 1,4-Dioxane	9.295	88	10470	1159.781	ug/l	86
51) 4-Methyl-2-Pentanone	10.069	43	259995	317.533	ug/l	92
52) Toluene	10.240	92	188675	61.038	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	98722	60.234	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	105899	60.104	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	58744	62.175	ug/l	97
56) Ethyl methacrylate	10.508	69	59461	49.225	ug/l	86
57) 1,3-Dichloropropane	10.788	76	98338	63.805	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	153310	293.366	ug/l	95
59) 2-Hexanone	10.831	43	179751	320.636	ug/l	90
60) Dibromochloromethane	10.983	129	72013	62.877	ug/l	99
61) 1,2-Dibromoethane	11.087	107	57849	61.788	ug/l	100
64) Tetrachloroethene	10.721	164	86448	79.502	ug/l	97
65) Chlorobenzene	11.514	112	197143	57.495	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	76328	60.793	ug/l	96
67) Ethyl Benzene	11.593	91	361943	58.573	ug/l	97
68) m/p-Xylenes	11.703	106	298263	118.901	ug/l	92
69) o-Xylene	12.032	106	142428	61.142	ug/l	90
70) Styrene	12.044	104	250576	62.550	ug/l	94
71) Bromoform	12.209	173	50621	60.820	ug/l #	98
73) Isopropylbenzene	12.331	105	370149	52.892	ug/l	99
74) N-amyl acetate	12.142	43	64390	39.879	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	77025	53.431	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	45629m	45.400	ug/l	
77) Bromobenzene	12.605	156	85888	52.944	ug/l	97
78) n-propylbenzene	12.672	91	451084	55.791	ug/l	100
79) 2-Chlorotoluene	12.758	91	252272	54.092	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	314778	53.664	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	24715	50.473	ug/l	86
82) 4-Chlorotoluene	12.855	91	273742	54.877	ug/l	97
83) tert-Butylbenzene	13.075	119	277184	53.264	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	326490	56.070	ug/l	98
85) sec-Butylbenzene	13.251	105	431843	54.238	ug/l	100
86) p-Isopropyltoluene	13.367	119	354969	53.462	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	188375	54.436	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	189282	54.444	ug/l	98
89) n-Butylbenzene	13.696	91	301110	49.571	ug/l	99
90) Hexachloroethane	13.959	117	65943	52.998	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	169087	55.353	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11513	51.441	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	74640	44.522	ug/l	98
94) Hexachlorobutadiene	15.111	225	35751	39.127	ug/l	98
95) Naphthalene	15.239	128	174566	51.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	67205	46.131	ug/l	99

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

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