

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
 Data File : VY009269.D
 Acq On : 22 Jun 2022 13:13
 Operator : KP/MD
 Sample : N3214-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jun 23 08:24:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 23 08:23:20 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/23/2022
 Supervised By :Semsettin Yesilyurt 06/23/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	147202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	245699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	220708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80842	50.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.020%			
35) Dibromofluoromethane	7.716	113	78529	49.352	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.700%			
50) Toluene-d8	10.179	98	296186	48.455	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.920%			
62) 4-Bromofluorobenzene	12.477	95	103084	47.993	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	3354	3.110	ug/l	91
3) Chloromethane	2.107	50	4182	3.159	ug/l #	81
4) Vinyl Chloride	2.247	62	4045	2.751	ug/l	94
5) Bromomethane	2.644	94	3122	3.045	ug/l	100
6) Chloroethane	2.790	64	2724	2.783	ug/l	89
7) Trichlorofluoromethane	3.125	101	6286	2.694	ug/l	93
8) Diethyl Ether	3.527	74	2332	2.721	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	4298	2.896	ug/l	96
10) Methyl Iodide	4.082	142	4269	2.356	ug/l	88
11) Tert butyl alcohol	4.936	59	6900	22.802	ug/l #	77
12) 1,1-Dichloroethene	3.863	96	4073	2.888	ug/l #	78
13) Acrolein	3.729	56	744	11.080	ug/l	85
14) Allyl chloride	4.479	41	6790	2.680	ug/l	96
15) Acrylonitrile	5.149	53	7042m	14.735	ug/l	
16) Acetone	3.948	43	6782	16.979	ug/l	100
17) Carbon Disulfide	4.186	76	9106	2.324	ug/l #	88
18) Methyl Acetate	4.466	43	6323	4.613	ug/l	100
19) Methyl tert-butyl Ether	5.210	73	11136	2.627	ug/l	91
20) Methylene Chloride	4.716	84	12454	4.710	ug/l #	86
21) trans-1,2-Dichloroethene	5.210	96	4897	2.930	ug/l #	76
22) Diisopropyl ether	6.118	45	14329	2.691	ug/l	92
23) Vinyl Acetate	6.058	43	35595	10.887	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	8442	2.801	ug/l	96
25) 2-Butanone	6.984	43	9937	15.405	ug/l	95
26) 2,2-Dichloropropane	6.984	77	8277	2.921	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	5245	2.677	ug/l	93
28) Bromochloromethane	7.332	49	3563	2.740	ug/l #	83
29) Tetrahydrofuran	7.338	42	6267	15.341	ug/l	94
30) Chloroform	7.496	83	8788	2.832	ug/l	85
31) Cyclohexane	7.783	56	10042	3.578	ug/l #	61
32) 1,1,1-Trichloroethane	7.697	97	7768	2.868	ug/l	94
36) 1,1-Dichloropropene	7.911	75	6617	2.733	ug/l	99
37) Ethyl Acetate	7.076	43	4331	2.958	ug/l	99
38) Carbon Tetrachloride	7.899	117	6724	2.670	ug/l #	90
39) Methylcyclohexane	9.185	83	7832	2.636	ug/l #	82
40) Benzene	8.155	78	19136	2.671	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	2580m	3.178	ug/l	
42) 1,2-Dichloroethane	8.234	62	5537	2.694	ug/l	90
43) Isopropyl Acetate	8.264	43	8200	3.056	ug/l #	84
44) Trichloroethene	8.935	130	5575	2.763	ug/l	96
45) 1,2-Dichloropropane	9.209	63	4860	2.633	ug/l	98
46) Dibromomethane	9.301	93	2930	2.792	ug/l	93
47) Bromodichloromethane	9.496	83	6421	2.576	ug/l	89
48) Methyl methacrylate	9.289	41	3277	2.786	ug/l	91
49) 1,4-Dioxane	9.301	88	916	60.737	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	20666	14.807	ug/l	100
52) Toluene	10.240	92	12021	2.655	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	6627	2.557	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	7456	2.528	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	4126	2.801	ug/l	93
56) Ethyl methacrylate	10.508	69	5120	2.627	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	6444	2.556	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.782	63	12384	14.814	ug/l	100
59) 2-Hexanone	10.831	43	12955	13.715	ug/l	97
60) Dibromochloromethane	10.983	129	4917	2.737	ug/l	94
61) 1,2-Dibromoethane	11.087	107	3940	2.743	ug/l	98
64) Tetrachloroethene	10.715	164	6343	2.979	ug/l	96
65) Chlorobenzene	11.514	112	14346	2.885	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.593	131	4554	2.505	ug/l	88
67) Ethyl Benzene	11.587	91	23247	2.698	ug/l	94
68) m/p-Xylenes	11.697	106	18421	5.448	ug/l	88
69) o-Xylene	12.026	106	8124	2.527	ug/l	92
70) Styrene	12.044	104	12952	2.429	ug/l	95
71) Bromoform	12.203	173	2992	2.663	ug/l #	98
73) Isopropylbenzene	12.331	105	20796	2.429	ug/l	98
74) N-amyl acetate	12.142	43	6126	2.679	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	4645	2.852	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	3593m	2.808	ug/l	
77) Bromobenzene	12.605	156	5774	2.777	ug/l	96
78) n-propylbenzene	12.666	91	27256	2.642	ug/l	97
79) 2-Chlorotoluene	12.758	91	15736	2.708	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	17262	2.429	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.373	75	1523m	2.524	ug/l	
82) 4-Chlorotoluene	12.855	91	16043	2.647	ug/l	96
83) tert-Butylbenzene	13.075	119	16125	2.601	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	17672	2.537	ug/l	97
85) sec-Butylbenzene	13.251	105	23918	2.578	ug/l	96
86) p-Isopropyltoluene	13.367	119	19390	2.514	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	11875	2.954	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	11562	2.867	ug/l	90
89) n-Butylbenzene	13.696	91	18350	2.555	ug/l	95
90) Hexachloroethane	13.959	117	4101	2.803	ug/l	86
91) 1,2-Dichlorobenzene	13.733	146	10132	2.806	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	956	3.295	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	5658	2.561	ug/l	97
94) Hexachlorobutadiene	15.117	225	3491	2.937	ug/l	97
95) Naphthalene	15.239	128	10668	2.407	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	5173	2.739	ug/l	97

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

