

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
 Data File : VY009270.D
 Acq On : 22 Jun 2022 13:36
 Operator : KP/MD
 Sample : N3214-03 4PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jun 23 08:25:07 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	146823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	240000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	219943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78794	48.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.720%
35) Dibromofluoromethane	7.710	113	75537	48.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.200%
50) Toluene-d8	10.179	98	290733	48.693	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.380%
62) 4-Bromofluorobenzene	12.477	95	101460	48.359	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	4867	4.524	ug/l	94
3) Chloromethane	2.107	50	6239	4.726	ug/l	96
4) Vinyl Chloride	2.247	62	6697	4.567	ug/l	94
5) Bromomethane	2.643	94	5020	4.909	ug/l	91
6) Chloroethane	2.784	64	3517	3.602	ug/l #	85
7) Trichlorofluoromethane	3.119	101	9507	4.084	ug/l	96
8) Diethyl Ether	3.521	74	3891	4.552	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	6421	4.338	ug/l	96
10) Methyl Iodide	4.088	142	6470	3.579	ug/l	94
11) Tert butyl alcohol	4.930	59	14133	46.824	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	5736	4.078	ug/l	89
13) Acrolein	3.716	56	866	12.930	ug/l	100
14) Allyl chloride	4.466	41	10734	4.248	ug/l	93
15) Acrylonitrile	5.161	53	10243	21.488	ug/l	93
16) Acetone	3.936	43	9892	24.829	ug/l	95
17) Carbon Disulfide	4.186	76	14758	3.777	ug/l	99
18) Methyl Acetate	4.478	43	9150	6.693	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	17741	4.196	ug/l #	90
20) Methylene Chloride	4.704	84	16422	6.227	ug/l #	86
21) trans-1,2-Dichloroethene	5.210	96	6602	3.961	ug/l	93
22) Diisopropyl ether	6.112	45	22138	4.168	ug/l #	94
23) Vinyl Acetate	6.051	43	54555	16.729	ug/l	98
24) 1,1-Dichloroethane	6.009	63	13452	4.474	ug/l	97
25) 2-Butanone	6.984	43	14829	23.048	ug/l	99
26) 2,2-Dichloropropane	6.972	77	13442	4.756	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	8400	4.298	ug/l	95
28) Bromochloromethane	7.319	49	5992	4.619	ug/l #	91
29) Tetrahydrofuran	7.344	42	9285	22.788	ug/l	99
30) Chloroform	7.502	83	13664	4.415	ug/l	95
31) Cyclohexane	7.783	56	13240	4.730	ug/l #	70
32) 1,1,1-Trichloroethane	7.704	97	11396	4.218	ug/l	98
36) 1,1-Dichloropropene	7.917	75	9690	4.097	ug/l	96
37) Ethyl Acetate	7.069	43	6228	4.354	ug/l #	88
38) Carbon Tetrachloride	7.899	117	9966	4.052	ug/l	93
39) Methylcyclohexane	9.179	83	11681	4.025	ug/l	93
40) Benzene	8.155	78	29275	4.183	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3533	4.455	ug/l #	43
42) 1,2-Dichloroethane	8.228	62	8848	4.406	ug/l	91
43) Isopropyl Acetate	8.264	43	11074	4.225	ug/l #	89
44) Trichloroethene	8.941	130	8417	4.271	ug/l	93
45) 1,2-Dichloropropane	9.215	63	7502	4.161	ug/l	97
46) Dibromomethane	9.301	93	4102	4.001	ug/l	97
47) Bromodichloromethane	9.496	83	10163	4.175	ug/l	98
48) Methyl methacrylate	9.289	41	4797	4.175	ug/l	91
49) 1,4-Dioxane	9.301	88	1251	84.919	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	29195	21.414	ug/l	95
52) Toluene	10.240	92	19428	4.392	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	10371	4.097	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	11744	4.076	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	6114	4.249	ug/l	94
56) Ethyl methacrylate	10.508	69	7406	3.891	ug/l #	87
57) 1,3-Dichloropropane	10.788	76	10272	4.172	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	18536	22.699	ug/l	96
59) 2-Hexanone	10.831	43	19153	20.758	ug/l	97
60) Dibromochloromethane	10.983	129	7266	4.140	ug/l	98
61) 1,2-Dibromoethane	11.081	107	5592	3.986	ug/l	95
64) Tetrachloroethene	10.715	164	9433	4.445	ug/l	89
65) Chlorobenzene	11.514	112	20920	4.222	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.587	131	7760	4.284	ug/l	98
67) Ethyl Benzene	11.593	91	35169	4.096	ug/l	99
68) m/p-Xylenes	11.697	106	28036	8.321	ug/l	89
69) o-Xylene	12.026	106	13111	4.092	ug/l	88
70) Styrene	12.038	104	20107	3.784	ug/l	99
71) Bromoform	12.209	173	4379	3.911	ug/l #	100
73) Isopropylbenzene	12.325	105	33274	3.956	ug/l	99
74) N-amyl acetate	12.142	43	8685	3.865	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	7061	4.412	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	6054m	4.816	ug/l	
77) Bromobenzene	12.605	156	8843	4.328	ug/l	92
78) n-propylbenzene	12.666	91	43005	4.243	ug/l	98
79) 2-Chlorotoluene	12.757	91	24224	4.243	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	28355	4.060	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.373	75	2457	4.144	ug/l	86
82) 4-Chlorotoluene	12.855	91	24586	4.129	ug/l	97
83) tert-Butylbenzene	13.074	119	24834	4.078	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	27451	4.011	ug/l	97
85) sec-Butylbenzene	13.251	105	37092	4.069	ug/l	98
86) p-Isopropyltoluene	13.367	119	30793	4.064	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	17121	4.335	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	17632	4.450	ug/l	96
89) n-Butylbenzene	13.696	91	28212	3.998	ug/l	96
90) Hexachloroethane	13.958	117	6193	4.309	ug/l	84
91) 1,2-Dichlorobenzene	13.733	146	15697	4.424	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1290	4.525	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	8662	3.990	ug/l	97
94) Hexachlorobutadiene	15.111	225	5119	4.383	ug/l	94
95) Naphthalene	15.233	128	15105	3.468	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	7689	4.144	ug/l	93

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

