

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091222\
 Data File : VY010448.D
 Acq On : 12 Sep 2022 18:24
 Operator : KP/MD
 Sample : N3980-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Sep 13 05:27:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 05:24:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	189200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	315100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	281552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	121975	64.010	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.020%	
35) Dibromofluoromethane	7.709	113	113095	50.537	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.080%	
50) Toluene-d8	10.172	98	415997	57.357	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.720%	
62) 4-Bromofluorobenzene	12.477	95	145869	43.828	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.660%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	7576	5.226	ug/l	97
3) Chloromethane	2.107	50	11900	5.598	ug/l	96
4) Vinyl Chloride	2.235	62	13098	4.995	ug/l	95
5) Bromomethane	2.637	94	9038	4.919	ug/l	94
6) Chloroethane	2.777	64	8999	5.130	ug/l	98
7) Trichlorofluoromethane	3.113	101	16112	4.850	ug/l	100
8) Diethyl Ether	3.515	74	5568	5.175	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.881	101	9539	4.905	ug/l	91
10) Methyl Iodide	4.076	142	8943	3.716	ug/l	91
11) Tert butyl alcohol	4.948	59	7797m	30.293	ug/l	
12) 1,1-Dichloroethene	3.857	96	8547	4.684	ug/l	90
13) Acrolein	3.722	56	4140	22.773	ug/l	97
14) Allyl chloride	4.460	41	13855	5.273	ug/l	95
15) Acrylonitrile	5.149	53	14027	26.933	ug/l	97
16) Acetone	3.942	43	14059	32.149	ug/l	97
17) Carbon Disulfide	4.174	76	23037	4.669	ug/l	96
18) Methyl Acetate	4.472	43	9677	7.193	ug/l #	89
19) Methyl tert-butyl Ether	5.204	73	24994	4.960	ug/l	93
20) Methylene Chloride	4.698	84	35618	13.346	ug/l #	82
21) trans-1,2-Dichloroethene	5.204	96	9916	4.786	ug/l	83
22) Diisopropyl ether	6.106	45	29637	5.053	ug/l #	93
23) Vinyl Acetate	6.051	43	81187	22.585	ug/l #	94
24) 1,1-Dichloroethane	6.002	63	18360	5.170	ug/l #	95
25) 2-Butanone	6.978	43	20226	29.103	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	17637	5.205	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	11180	4.643	ug/l	98
28) Bromochloromethane	7.325	49	6769	5.945	ug/l	85
29) Tetrahydrofuran	7.338	42	11953	27.558	ug/l	90
30) Chloroform	7.496	83	18459	4.900	ug/l	98
31) Cyclohexane	7.777	56	18623	5.785	ug/l #	73
32) 1,1,1-Trichloroethane	7.691	97	16604	4.868	ug/l	95
36) 1,1-Dichloropropene	7.905	75	13561	4.426	ug/l	97
37) Ethyl Acetate	7.069	43	8098	5.028	ug/l	97
38) Carbon Tetrachloride	7.892	117	14520	4.260	ug/l	98
39) Methylcyclohexane	9.173	83	15774	4.129	ug/l	96
40) Benzene	8.148	78	40206	4.559	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3925m	4.263	ug/l	
42) 1,2-Dichloroethane	8.228	62	12671	4.831	ug/l	95
43) Isopropyl Acetate	8.264	43	13995	4.748	ug/l #	91
44) Trichloroethene	8.929	130	10618	4.090	ug/l	98
45) 1,2-Dichloropropane	9.209	63	9886	4.596	ug/l	94
46) Dibromomethane	9.295	93	5926	4.569	ug/l	96
47) Bromodichloromethane	9.490	83	14344	4.656	ug/l	98
48) Methyl methacrylate	9.288	41	5793	4.376	ug/l #	81
49) 1,4-Dioxane	9.288	88	1623	94.524	ug/l	87
51) 4-Methyl-2-Pentanone	10.063	43	38983	24.113	ug/l	92
52) Toluene	10.240	92	25275	4.379	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	14174	4.470	ug/l	98
54) cis-1,3-Dichloropropene	9.922	75	15770	4.410	ug/l #	89
55) 1,1,2-Trichloroethane	10.636	97	8361	4.531	ug/l	95
56) Ethyl methacrylate	10.502	69	10470	4.321	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	14600	4.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	26743	32.442	ug/l	95
59) 2-Hexanone	10.825	43	25829	23.438	ug/l	94
60) Dibromochloromethane	10.977	129	10071	4.467	ug/l	98
61) 1,2-Dibromoethane	11.087	107	7992	4.462	ug/l	98
64) Tetrachloroethene	10.715	164	10747	4.235	ug/l	89
65) Chlorobenzene	11.514	112	27625	4.387	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	10076	4.321	ug/l	95
67) Ethyl Benzene	11.587	91	47623	4.273	ug/l	98
68) m/p-Xylenes	11.697	106	35453	8.104	ug/l	96
69) o-Xylene	12.026	106	17000	4.069	ug/l	94
70) Styrene	12.038	104	28366	4.012	ug/l	96
71) Bromoform	12.203	173	6133	4.206	ug/l #	94
73) Isopropylbenzene	12.325	105	46238	4.242	ug/l	98
74) N-amyl acetate	12.142	43	11724	4.610	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.574	83	10450	5.125	ug/l	95
76) 1,2,3-Trichloropropane	12.629	75	7133m	4.626	ug/l	
77) Bromobenzene	12.605	156	11174	4.326	ug/l	100
78) n-propylbenzene	12.666	91	56053	4.343	ug/l	99
79) 2-Chlorotoluene	12.751	91	31822	4.389	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	39616	4.307	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	3154	4.542	ug/l	93
82) 4-Chlorotoluene	12.849	91	32999	4.375	ug/l	99
83) tert-Butylbenzene	13.068	119	32339	4.023	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	37833	4.204	ug/l	98
85) sec-Butylbenzene	13.251	105	49052	4.121	ug/l	99
86) p-Isopropyltoluene	13.367	119	40430	4.016	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	22112	4.263	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	22061	4.295	ug/l	93
89) n-Butylbenzene	13.690	91	39812	4.356	ug/l	98
90) Hexachloroethane	13.958	117	8476	4.484	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	19482	4.241	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1784	5.183	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	11579	4.058	ug/l	97
94) Hexachlorobutadiene	15.105	225	7330	4.258	ug/l	95
95) Naphthalene	15.233	128	22771	4.046	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	10468	4.203	ug/l	97

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

