

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
 Data File : VY010979.D
 Acq On : 17 Oct 2022 18:52
 Operator : KP/MD
 Sample : N4955-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Oct 18 02:00:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:59:49 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	268333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	454201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	406117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	196344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126532	54.233	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.460%			
35) Dibromofluoromethane	7.716	113	126403	49.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.840%			
50) Toluene-d8	10.179	98	457686	49.781	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.560%			
62) 4-Bromofluorobenzene	12.477	95	158719	47.066	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	7878	3.781	ug/l	97
3) Chloromethane	2.113	50	12139	3.514	ug/l	97
4) Vinyl Chloride	2.247	62	13286	3.806	ug/l	96
5) Bromomethane	2.644	94	10780	3.948	ug/l	99
6) Chloroethane	2.790	64	8992	4.059	ug/l	99
7) Trichlorofluoromethane	3.125	101	18478	4.086	ug/l	98
8) Diethyl Ether	3.528	74	6946	4.193	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	11607	4.101	ug/l	93
10) Methyl Iodide	4.088	142	13529	5.193	ug/l	91
11) Tert butyl alcohol	4.936	59	11513	21.546	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	11501	4.284	ug/l #	75
13) Acrolein	3.729	56	8291	17.775	ug/l	91
14) Allyl chloride	4.472	41	17769	4.524	ug/l #	86
15) Acrylonitrile	5.155	53	18317	19.955	ug/l	97
16) Acetone	3.942	43	15025	10.705	ug/l #	89
17) Carbon Disulfide	4.186	76	34962	3.759	ug/l	99
18) Methyl Acetate	4.472	43	14387	4.564	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	30238	4.601	ug/l	96
20) Methylene Chloride	4.704	84	27834	2.954	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	12840	4.086	ug/l #	80
22) Diisopropyl ether	6.112	45	35914	3.941	ug/l	97
23) Vinyl Acetate	6.058	43	92273	20.838	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	23100	4.175	ug/l	96
25) 2-Butanone	6.978	43	23371	17.690	ug/l	91
26) 2,2-Dichloropropane	6.972	77	20171	4.316	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	14196	4.337	ug/l	93
28) Bromochloromethane	7.326	49	7365	7.222	ug/l	84
29) Tetrahydrofuran	7.344	42	14708	19.412	ug/l #	88
30) Chloroform	7.502	83	23513	4.200	ug/l	100
31) Cyclohexane	7.783	56	23969	4.363	ug/l #	54
32) 1,1,1-Trichloroethane	7.698	97	19851	4.413	ug/l	96
36) 1,1-Dichloropropene	7.917	75	17474	4.199	ug/l	99
37) Ethyl Acetate	7.070	43	10607	4.439	ug/l	98
38) Carbon Tetrachloride	7.899	117	18814	4.550	ug/l	96
39) Methylcyclohexane	9.179	83	20410	4.771	ug/l	94
40) Benzene	8.155	78	53433	4.172	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	4474m	6.306	ug/l	
42) 1,2-Dichloroethane	8.228	62	14880	4.137	ug/l	90
43) Isopropyl Acetate	8.271	43	16958	4.706	ug/l #	91
44) Trichloroethene	8.935	130	14131	4.421	ug/l	95
45) 1,2-Dichloropropane	9.209	63	12793	4.170	ug/l	98
46) Dibromomethane	9.307	93	7628	4.518	ug/l	97
47) Bromodichloromethane	9.496	83	18200	4.734	ug/l	98
48) Methyl methacrylate	9.295	41	7266	4.904	ug/l #	77
49) 1,4-Dioxane	9.301	88	2007	88.834	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	45657	20.376	ug/l	90
52) Toluene	10.240	92	32130	4.436	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	18303	4.977	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	20430	4.574	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	11016	4.371	ug/l	96
56) Ethyl methacrylate	10.508	69	12601	5.097	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	18415	4.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	29347	33.397	ug/l	95
59) 2-Hexanone	10.831	43	30098	19.757	ug/l	88
60) Dibromochloromethane	10.984	129	12640	4.443	ug/l	100
61) 1,2-Dibromoethane	11.087	107	10302	4.294	ug/l	99
64) Tetrachloroethene	10.715	164	13781	3.978	ug/l	98
65) Chlorobenzene	11.514	112	36035	4.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	12392	4.207	ug/l	94
67) Ethyl Benzene	11.593	91	58327	4.422	ug/l	94
68) m/p-Xylenes	11.703	106	44772	8.682	ug/l	96
69) o-Xylene	12.026	106	21431	4.702	ug/l	92
70) Styrene	12.044	104	34746	4.471	ug/l	95
71) Bromoform	12.209	173	7938	4.704	ug/l #	97
73) Isopropylbenzene	12.325	105	54656	4.595	ug/l	100
74) N-amyl acetate	12.142	43	13279	5.174	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	12476	4.295	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	9520m	4.261	ug/l	
77) Bromobenzene	12.605	156	14048	4.686	ug/l	99
78) n-propylbenzene	12.672	91	69657	4.368	ug/l	100
79) 2-Chlorotoluene	12.758	91	39494	4.597	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	45978	4.130	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	4101	5.144	ug/l #	84
82) 4-Chlorotoluene	12.855	91	41992	4.410	ug/l	99
83) tert-Butylbenzene	13.075	119	38599	4.581	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	45505	4.276	ug/l	98
85) sec-Butylbenzene	13.251	105	59439	4.059	ug/l	99
86) p-Isopropyltoluene	13.367	119	48540	4.338	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	27321	4.256	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	28277	4.124	ug/l	94
89) n-Butylbenzene	13.696	91	45751	4.224	ug/l	100
90) Hexachloroethane	13.959	117	10868	4.475	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	24169	3.948	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2023	4.265	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	13880	4.978	ug/l	98
94) Hexachlorobutadiene	15.111	225	8754	4.119	ug/l	98
95) Naphthalene	15.233	128	25466	5.419	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	11793	4.614	ug/l	97

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

