

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010426.D
 Acq On : 09 Sep 2022 18:31
 Operator : KP/MD
 Sample : N3980-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Sep 12 04:36:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 12 04:36:01 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	240816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	375810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	333607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	121195	49.969	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.940%		
35) Dibromofluoromethane	7.710	113	120566	45.172	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.340%		
50) Toluene-d8	10.179	98	450551	52.086	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.180%		
62) 4-Bromofluorobenzene	12.477	95	156594	39.450	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	8196	4.442	ug/l	93
3) Chloromethane	2.107	50	11942	4.414	ug/l	99
4) Vinyl Chloride	2.241	62	14809	4.437	ug/l	100
5) Bromomethane	2.644	94	11772	5.034	ug/l	99
6) Chloroethane	2.784	64	9762	4.372	ug/l	99
7) Trichlorofluoromethane	3.113	101	18504	4.376	ug/l	97
8) Diethyl Ether	3.528	74	5816	4.247	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	10928	4.414	ug/l	94
10) Methyl Iodide	4.082	142	11792	3.849	ug/l	91
11) Tert butyl alcohol	4.918	59	10464m	31.941	ug/l	
12) 1,1-Dichloroethene	3.863	96	10110	4.353	ug/l	85
13) Acrolein	3.723	56	4333	18.726	ug/l	93
14) Allyl chloride	4.473	41	13750	4.112	ug/l #	93
15) Acrylonitrile	5.155	53	13110	19.777	ug/l	99
16) Acetone	3.942	43	12213	21.942	ug/l #	88
17) Carbon Disulfide	4.186	76	25836	4.114	ug/l	99
18) Methyl Acetate	4.473	43	8806	5.143	ug/l #	87
19) Methyl tert-butyl Ether	5.210	73	26407	4.117	ug/l #	90
20) Methylene Chloride	4.704	84	25435	7.488	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	11209	4.251	ug/l #	81
22) Diisopropyl ether	6.112	45	29821	3.994	ug/l #	94
23) Vinyl Acetate	6.052	43	81905	17.901	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	19733	4.366	ug/l	99
25) 2-Butanone	6.984	43	18957	21.431	ug/l	93
26) 2,2-Dichloropropane	6.972	77	19930	4.621	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	13328	4.348	ug/l	92
28) Bromochloromethane	7.326	49	7137	4.925	ug/l #	81
29) Tetrahydrofuran	7.350	42	10838	19.631	ug/l #	83
30) Chloroform	7.503	83	21316	4.446	ug/l	96
31) Cyclohexane	7.783	56	20700	5.052	ug/l #	66
32) 1,1,1-Trichloroethane	7.698	97	18518	4.265	ug/l	96
36) 1,1-Dichloropropene	7.911	75	15227	4.167	ug/l	97
37) Ethyl Acetate	7.070	43	7753	4.036	ug/l #	88
38) Carbon Tetrachloride	7.893	117	17236	4.240	ug/l	95
39) Methylcyclohexane	9.179	83	19151	4.203	ug/l	91
40) Benzene	8.155	78	44522	4.233	ug/l	94

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41) Methacrylonitrile	7.320	41	4252m	3.872	ug/l	
42) 1,2-Dichloroethane	8.228	62	13391	4.281	ug/l	91
43) Isopropyl Acetate	8.265	43	13027	3.706	ug/l #	89
44) Trichloroethene	8.935	130	13372	4.319	ug/l	95
45) 1,2-Dichloropropane	9.210	63	10715	4.177	ug/l	92
46) Dibromomethane	9.301	93	6599	4.266	ug/l	99
47) Bromodichloromethane	9.496	83	15230	4.145	ug/l #	99
48) Methyl methacrylate	9.295	41	5445	3.449	ug/l #	76
49) 1,4-Dioxane	9.295	88	1453	70.953	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	36372	18.864	ug/l	89
52) Toluene	10.240	92	29788	4.328	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	14582	3.856	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	17661	4.141	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	9370	4.258	ug/l	98
56) Ethyl methacrylate	10.508	69	10613	3.672	ug/l	87
57) 1,3-Dichloropropane	10.788	76	15077	4.120	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	27482	27.953	ug/l	95
59) 2-Hexanone	10.831	43	23260	17.697	ug/l	88
60) Dibromochloromethane	10.984	129	11235	4.178	ug/l	98
61) 1,2-Dibromoethane	11.087	107	8535	3.995	ug/l	95
64) Tetrachloroethene	10.715	164	13244	4.404	ug/l	97
65) Chlorobenzene	11.514	112	32236	4.321	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	11761	4.256	ug/l	98
67) Ethyl Benzene	11.587	91	55402	4.196	ug/l	96
68) m/p-Xylenes	11.697	106	43418	8.376	ug/l	92
69) o-Xylene	12.026	106	20205	4.082	ug/l	93
70) Styrene	12.044	104	32914	3.929	ug/l	96
71) Bromoform	12.203	173	6636	3.841	ug/l #	98
73) Isopropylbenzene	12.325	105	53954	4.187	ug/l	98
74) N-amyl acetate	12.142	43	10422	3.466	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	10265	4.258	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	7774m	4.265	ug/l	
77) Bromobenzene	12.605	156	13811	4.523	ug/l	87
78) n-propylbenzene	12.666	91	65596	4.299	ug/l	97
79) 2-Chlorotoluene	12.758	91	36993	4.316	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	46712	4.296	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	2927	3.565	ug/l	94
82) 4-Chlorotoluene	12.849	91	38497	4.317	ug/l	98
83) tert-Butylbenzene	13.075	119	41032	4.317	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	45850	4.310	ug/l	100
85) sec-Butylbenzene	13.251	105	59590	4.235	ug/l	97
86) p-Isopropyltoluene	13.367	119	49536	4.161	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	26631	4.343	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	26962	4.440	ug/l	94
89) n-Butylbenzene	13.697	91	45899	4.248	ug/l	99
90) Hexachloroethane	13.959	117	9314	4.167	ug/l	94
91) 1,2-Dichlorobenzene	13.733	146	23769	4.377	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1697	4.171	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	13915	4.125	ug/l	100
94) Hexachlorobutadiene	15.111	225	8946	4.396	ug/l	95
95) Naphthalene	15.233	128	24971	3.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	11941	4.055	ug/l	98

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

