

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013315.D
 Acq On : 14 Apr 2023 13:46
 Operator : KP/MD
 Sample : 02213-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: Apr 17 04:26:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 17 04:14:31 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	269080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	425321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	381114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	190989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	161481	49.937	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.880%			
35) Dibromofluoromethane	7.710	113	145965	53.011	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.173	98	522569	50.987	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.477	95	170340	51.153	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	10789	4.455	ug/l	98
3) Chloromethane	2.107	50	12364	4.075	ug/l	98
4) Vinyl Chloride	2.241	62	10738	3.733	ug/l	99
5) Bromomethane	2.643	94	8178	3.707	ug/l	81
6) Chloroethane	2.784	64	7301	3.764	ug/l	99
7) Trichlorofluoromethane	3.125	101	20514	4.582	ug/l	98
8) Diethyl Ether	3.527	74	6759	4.155	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	11404	4.335	ug/l	97
10) Methyl Iodide	4.076	142	12754	3.952	ug/l	96
11) Tert butyl alcohol	4.911	59	14426	27.914	ug/l #	74
12) 1,1-Dichloroethene	3.863	96	11323	4.472	ug/l	88
13) Acrolein	3.729	56	7598	19.127	ug/l	95
14) Allyl chloride	4.479	41	19737	4.081	ug/l	97
15) Acrylonitrile	5.161	53	17454	18.673	ug/l	96
16) Acetone	3.954	43	21902	19.699	ug/l #	83
17) Carbon Disulfide	4.180	76	34322	4.117	ug/l	99
18) Methyl Acetate	4.472	43	14051	3.907	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	28964	3.819	ug/l	98
20) Methylene Chloride	4.710	84	24711	7.159	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	12386	4.285	ug/l	98
22) Diisopropyl ether	6.106	45	34866	3.658	ug/l #	77
23) Vinyl Acetate	6.058	43	105869	17.569	ug/l	98
24) 1,1-Dichloroethane	6.015	63	22201	4.169	ug/l	99
25) 2-Butanone	6.978	43	27422	19.262	ug/l	93
26) 2,2-Dichloropropane	6.972	77	21330	4.465	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	12932	4.115	ug/l	92
28) Bromochloromethane	7.332	49	7443	3.507	ug/l	91
29) Tetrahydrofuran	7.350	42	15876	18.362	ug/l	99
30) Chloroform	7.502	83	21938	4.071	ug/l	97
31) Cyclohexane	7.777	56	22811	4.665	ug/l #	77
32) 1,1,1-Trichloroethane	7.697	97	20252	4.155	ug/l	96
36) 1,1-Dichloropropene	7.911	75	15776	3.782	ug/l	97
37) Ethyl Acetate	7.069	43	11805	3.511	ug/l	97
38) Carbon Tetrachloride	7.893	117	18610	4.035	ug/l	98
39) Methylcyclohexane	9.173	83	18246	3.763	ug/l	96
40) Benzene	8.155	78	48496	4.017	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	6553m	4.697	ug/l	
42) 1,2-Dichloroethane	8.228	62	16313	3.985	ug/l	99
43) Isopropyl Acetate	8.264	43	19791	3.544	ug/l	99
44) Trichloroethene	8.935	130	13640	4.386	ug/l	98
45) 1,2-Dichloropropane	9.209	63	12777	4.077	ug/l	96
46) Dibromomethane	9.301	93	7747	4.108	ug/l	97
47) Bromodichloromethane	9.490	83	17611	4.085	ug/l #	82
48) Methyl methacrylate	9.289	41	8179	3.188	ug/l	91
49) 1,4-Dioxane	9.319	88	1562	61.130	ug/l #	23
51) 4-Methyl-2-Pentanone	10.069	43	52998	17.436	ug/l	100
52) Toluene	10.240	92	29704	4.075	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	17958	3.977	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	19715	3.982	ug/l	96
55) 1,1,2-Trichloroethane	10.636	97	10789	4.339	ug/l	98
56) Ethyl methacrylate	10.508	69	12553	3.687	ug/l	98
57) 1,3-Dichloropropane	10.788	76	17786	4.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	26764	18.826	ug/l	98
59) 2-Hexanone	10.831	43	36580	16.551	ug/l	97
60) Dibromochloromethane	10.983	129	12400	3.977	ug/l	93
61) 1,2-Dibromoethane	11.081	107	10357	4.277	ug/l	98
64) Tetrachloroethene	10.715	164	11724	4.360	ug/l	96
65) Chlorobenzene	11.514	112	32876	4.124	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.581	131	12210	4.081	ug/l	95
67) Ethyl Benzene	11.587	91	53680	3.866	ug/l	96
68) m/p-Xylenes	11.697	106	40306	7.587	ug/l	98
69) o-Xylene	12.026	106	18557	3.771	ug/l	99
70) Styrene	12.038	104	30239	3.639	ug/l	97
71) Bromoform	12.203	173	8381	4.044	ug/l #	99
73) Isopropylbenzene	12.325	105	47760	3.646	ug/l	99
74) N-amyl acetate	12.142	43	15839	3.389	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	13100	4.048	ug/l	95
76) 1,2,3-Trichloropropane	12.629	75	10510m	4.416	ug/l	
77) Bromobenzene	12.605	156	13373	4.082	ug/l	99
78) n-propylbenzene	12.666	91	61635	3.809	ug/l	99
79) 2-Chlorotoluene	12.751	91	35845	3.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	40180	3.662	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	4437	3.870	ug/l	96
82) 4-Chlorotoluene	12.849	91	36368	3.788	ug/l	98
83) tert-Butylbenzene	13.068	119	35029	3.720	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	38728	3.626	ug/l	97
85) sec-Butylbenzene	13.251	105	53634	3.809	ug/l	99
86) p-Isopropyltoluene	13.367	119	43052	3.726	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	27012	4.277	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	27790	4.355	ug/l	94
89) n-Butylbenzene	13.690	91	41806	3.783	ug/l	98
90) Hexachloroethane	13.952	117	10306	4.278	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	24354	4.238	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	2363	4.021	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	14058	4.116	ug/l	97
94) Hexachlorobutadiene	15.105	225	9436	4.666	ug/l	98
95) Naphthalene	15.233	128	27100	3.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	12588	4.045	ug/l	99

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

