

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013289.D
 Acq On : 13 Apr 2023 12:34
 Operator : KP/MD
 Sample : 02313-01 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BI-WEEKLY-DECANT

Quant Time: Apr 14 04:43:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 14 04:38:17 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	236233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	383809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	341772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	152732	53.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.600%			
35) Dibromofluoromethane	7.716	113	132510	53.329	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.660%			
50) Toluene-d8	10.173	98	488540	52.823	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.477	95	153158	50.967	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	8851	4.163	ug/l	96
3) Chloromethane	2.107	50	11885	4.462	ug/l	97
4) Vinyl Chloride	2.247	62	10610	4.201	ug/l	93
5) Bromomethane	2.650	94	8572	4.426	ug/l #	77
6) Chloroethane	2.796	64	7174	4.212	ug/l	93
7) Trichlorofluoromethane	3.125	101	17229	4.383	ug/l	97
8) Diethyl Ether	3.527	74	5983	4.190	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.893	101	10646	4.609	ug/l	94
10) Methyl Iodide	4.094	142	10760	3.798	ug/l	98
11) Tert butyl alcohol	4.936	59	7993m	17.617	ug/l	
12) 1,1-Dichloroethene	3.863	96	9426	4.240	ug/l #	90
13) Acrolein	3.723	56	7533	21.600	ug/l	98
14) Allyl chloride	4.472	41	17575	4.139	ug/l	97
15) Acrylonitrile	5.155	53	15535	18.931	ug/l	92
16) Acetone	3.948	43	18355	18.804	ug/l	99
17) Carbon Disulfide	4.186	76	32599	4.454	ug/l	96
18) Methyl Acetate	4.472	43	12344	3.910	ug/l #	80
19) Methyl tert-butyl Ether	5.204	73	25236	3.790	ug/l	98
20) Methylene Chloride	4.704	84	23537	7.767	ug/l	93
21) trans-1,2-Dichloroethene	5.210	96	10072	3.969	ug/l	90
22) Diisopropyl ether	6.112	45	33758	4.034	ug/l #	88
23) Vinyl Acetate	6.058	43	99904	18.884	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	19601	4.193	ug/l	95
25) 2-Butanone	6.984	43	25448	20.361	ug/l	93
26) 2,2-Dichloropropane	6.978	77	20239	4.826	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	11887	4.308	ug/l	86
28) Bromochloromethane	7.332	49	7491	4.021	ug/l	94
29) Tetrahydrofuran	7.344	42	13863	18.263	ug/l	98
30) Chloroform	7.496	83	20543	4.343	ug/l	100
31) Cyclohexane	7.783	56	21627	5.038	ug/l #	74
32) 1,1,1-Trichloroethane	7.691	97	18331	4.283	ug/l	97
36) 1,1-Dichloropropene	7.917	75	15557	4.133	ug/l	97
37) Ethyl Acetate	7.076	43	11950	3.938	ug/l	98
38) Carbon Tetrachloride	7.893	117	16975	4.078	ug/l	95
39) Methylcyclohexane	9.179	83	17303	3.954	ug/l	98
40) Benzene	8.155	78	45008	4.131	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	4382	3.481	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	15545	4.208	ug/l	99
43) Isopropyl Acetate	8.271	43	19240	3.818	ug/l #	86
44) Trichloroethene	8.935	130	11735	4.181	ug/l	90
45) 1,2-Dichloropropane	9.209	63	12244	4.330	ug/l	90
46) Dibromomethane	9.301	93	7359	4.324	ug/l	96
47) Bromodichloromethane	9.490	83	15527	3.991	ug/l	100
48) Methyl methacrylate	9.289	41	8202	3.543	ug/l	96
49) 1,4-Dioxane	9.301	88	1587m	68.826	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	50761	18.507	ug/l	96
52) Toluene	10.240	92	26886	4.087	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	15721	3.858	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	17274	3.867	ug/l	95
55) 1,1,2-Trichloroethane	10.636	97	9199	4.099	ug/l	94
56) Ethyl methacrylate	10.508	69	10703	3.483	ug/l	90
57) 1,3-Dichloropropane	10.782	76	15910	4.169	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	24641	19.207	ug/l	98
59) 2-Hexanone	10.831	43	34684	17.391	ug/l	94
60) Dibromochloromethane	10.983	129	11075	3.936	ug/l	91
61) 1,2-Dibromoethane	11.081	107	9046	4.140	ug/l	98
64) Tetrachloroethene	10.715	164	10063	4.173	ug/l	96
65) Chlorobenzene	11.514	112	29914	4.184	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	10854	4.045	ug/l	100
67) Ethyl Benzene	11.587	91	49630	3.986	ug/l	95
68) m/p-Xylenes	11.703	106	36196	7.597	ug/l	99
69) o-Xylene	12.026	106	16260	3.685	ug/l	98
70) Styrene	12.038	104	25548	3.428	ug/l	93
71) Bromoform	12.209	173	7465	4.016	ug/l #	100
73) Isopropylbenzene	12.331	105	43448	3.849	ug/l	97
74) N-amyl acetate	12.142	43	14783	3.671	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	11911	4.271	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	9560m	4.662	ug/l	
77) Bromobenzene	12.605	156	11711	4.148	ug/l	98
78) n-propylbenzene	12.666	91	56877	4.080	ug/l	100
79) 2-Chlorotoluene	12.751	91	32314	4.118	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	35653	3.771	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	3701	3.746	ug/l	92
82) 4-Chlorotoluene	12.849	91	34001	4.110	ug/l	97
83) tert-Butylbenzene	13.075	119	32818	4.045	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	33951	3.689	ug/l	100
85) sec-Butylbenzene	13.251	105	49460	4.076	ug/l	98
86) p-Isopropyltoluene	13.367	119	37782	3.795	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	22604	4.154	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	23897	4.346	ug/l	91
89) n-Butylbenzene	13.696	91	37637	3.952	ug/l	98
90) Hexachloroethane	13.959	117	9308	4.484	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	21068	4.255	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2159	4.263	ug/l	92
93) 1,2,4-Trichlorobenzene	15.001	180	12214	4.150	ug/l	97
94) Hexachlorobutadiene	15.111	225	7791	4.471	ug/l	95
95) Naphthalene	15.233	128	21167	3.302	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	11244	4.194	ug/l	94

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

