

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014685.D
 Acq On : 17 Jul 2023 20:14
 Operator : SY/MD
 Sample : 03631-03MSD
 Misc : 6.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02(2-4)MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 06:15:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	202383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	333321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	273650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	114737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	121311	52.601	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.200%			
35) Dibromofluoromethane	7.716	113	113671	53.572	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.140%			
50) Toluene-d8	10.179	98	393810	50.341	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.477	95	131528	43.849	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	82826	50.233	ug/l	100
3) Chloromethane	2.107	50	109838	59.261	ug/l	99
4) Vinyl Chloride	2.247	62	129902	62.711	ug/l	98
5) Bromomethane	2.644	94	87317	63.786	ug/l	99
6) Chloroethane	2.784	64	82562	63.808	ug/l	93
7) Trichlorofluoromethane	3.119	101	190514	54.762	ug/l	95
8) Diethyl Ether	3.528	74	67838	52.408	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	111824	52.441	ug/l	96
10) Methyl Iodide	4.082	142	100712	44.812	ug/l	96
11) Tert butyl alcohol	4.960	59	92513	187.849	ug/l #	79
12) 1,1-Dichloroethene	3.863	96	104739	52.555	ug/l	93
13) Acrolein	3.741	56	984	4.082	ug/l	98
14) Allyl chloride	4.473	41	168199	47.533	ug/l	96
15) Acrylonitrile	5.155	53	182339	255.451	ug/l	99
16) Acetone	3.942	43	162187	221.926	ug/l	92
17) Carbon Disulfide	4.186	76	269694	47.267	ug/l	100
18) Methyl Acetate	4.473	43	249971	89.131	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	352973	54.523	ug/l	100
20) Methylene Chloride	4.710	84	138108	58.926	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	114976	50.836	ug/l	96
22) Diisopropyl ether	6.119	45	366978	51.009	ug/l #	86
23) Vinyl Acetate	6.058	43	224512	52.148	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	213584	51.885	ug/l	97
25) 2-Butanone	6.984	43	259657	242.856	ug/l	95
26) 2,2-Dichloropropane	6.978	77	169606	43.231	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	137842	52.360	ug/l	92
28) Bromochloromethane	7.332	49	77913	43.947	ug/l	90
29) Tetrahydrofuran	7.344	42	178377	270.945	ug/l	92
30) Chloroform	7.503	83	222696	52.462	ug/l	95
31) Cyclohexane	7.783	56	170615	44.566	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	203279	53.207	ug/l	99
36) 1,1-Dichloropropene	7.917	75	161675	50.951	ug/l	99
37) Ethyl Acetate	7.070	43	78655	36.003	ug/l #	94
38) Carbon Tetrachloride	7.899	117	179928	53.641	ug/l	97
39) Methylcyclohexane	9.179	83	183331	44.347	ug/l	94
40) Benzene	8.161	78	467775	51.833	ug/l	99

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41) Methacrylonitrile	7.314	41	50075m	44.562	ug/l	
42) 1,2-Dichloroethane	8.234	62	151233	52.919	ug/l	96
43) Isopropyl Acetate	8.271	43	171238	41.147	ug/l	93
44) Trichloroethene	8.935	130	129519	51.295	ug/l	97
45) 1,2-Dichloropropane	9.216	63	121015	51.353	ug/l	96
46) Dibromomethane	9.307	93	77343	54.102	ug/l	96
47) Bromodichloromethane	9.496	83	176796	52.471	ug/l	98
48) Methyl methacrylate	9.289	41	108681	58.037	ug/l	92
49) 1,4-Dioxane	9.295	88	27104	1162.728	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	591623	270.758	ug/l	94
52) Toluene	10.240	92	292286	50.614	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	176136	47.791	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	191333	47.739	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	108355	54.412	ug/l	96
56) Ethyl methacrylate	10.508	69	112785	37.094	ug/l	89
57) 1,3-Dichloropropane	10.789	76	181130	52.735	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	325457	229.730	ug/l	94
59) 2-Hexanone	10.831	43	386073	242.285	ug/l	92
60) Dibromochloromethane	10.984	129	131825	53.992	ug/l	99
61) 1,2-Dibromoethane	11.087	107	106464	53.592	ug/l	100
64) Tetrachloroethene	10.715	164	127338	57.858	ug/l	99
65) Chlorobenzene	11.514	112	299368	51.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	126182	57.390	ug/l	99
67) Ethyl Benzene	11.593	91	554490	52.665	ug/l	98
68) m/p-Xylenes	11.703	106	417681	103.925	ug/l	96
69) o-Xylene	12.026	106	206260	52.690	ug/l	97
70) Styrene	12.044	104	333997	50.623	ug/l	98
71) Bromoform	12.209	173	83962	56.338	ug/l #	99
73) Isopropylbenzene	12.331	105	528391	58.815	ug/l	100
74) N-amyl acetate	12.142	43	89020	29.586	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	132541	64.694	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	97747m	67.454	ug/l	
77) Bromobenzene	12.605	156	121400	59.198	ug/l	95
78) n-propylbenzene	12.666	91	591619	54.649	ug/l	100
79) 2-Chlorotoluene	12.758	91	338577	54.299	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	413127	55.062	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	40868	54.605	ug/l	94
82) 4-Chlorotoluene	12.855	91	342021	53.259	ug/l	99
83) tert-Butylbenzene	13.075	119	371288	55.786	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	400111	54.339	ug/l	98
85) sec-Butylbenzene	13.252	105	507914	52.023	ug/l	100
86) p-Isopropyltoluene	13.367	119	410219	51.461	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	206175	51.657	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	206900	51.731	ug/l	98
89) n-Butylbenzene	13.697	91	345665	44.571	ug/l	97
90) Hexachloroethane	13.959	117	83575	51.044	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	192819	52.729	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23793	60.727	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	87281	37.600	ug/l	98
94) Hexachlorobutadiene	15.111	225	41201	32.299	ug/l	99
95) Naphthalene	15.233	128	263295	48.686	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	77635	37.632	ug/l	97

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

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