

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013815.D
 Acq On : 19 May 2023 12:52
 Operator : KP/MD
 Sample : VY0519SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Quant Time: May 22 04:18:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	262181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	399254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	359494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	146254	48.020	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.040%		
35) Dibromofluoromethane	7.716	113	124450	48.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.220%		
50) Toluene-d8	10.179	98	483678	49.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.660%		
62) 4-Bromofluorobenzene	12.483	95	161393	50.060	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	40496	21.513	ug/l	98
3) Chloromethane	2.113	50	46876	16.425	ug/l	98
4) Vinyl Chloride	2.253	62	49369	17.324	ug/l	99
5) Bromomethane	2.656	94	40139	15.884	ug/l	98
6) Chloroethane	2.796	64	32710	16.699	ug/l	100
7) Trichlorofluoromethane	3.131	101	88484	21.334	ug/l	98
8) Diethyl Ether	3.527	74	26441	19.052	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	46989	19.358	ug/l	98
10) Methyl Iodide	4.094	142	47786	17.919	ug/l	97
11) Tert butyl alcohol	4.960	59	30643m	124.196	ug/l	
12) 1,1-Dichloroethene	3.875	96	42282	19.217	ug/l	97
13) Acrolein	3.735	56	37627	85.366	ug/l	99
14) Allyl chloride	4.479	41	75817	17.493	ug/l	95
15) Acrylonitrile	5.174	53	67749	83.244	ug/l	100
16) Acetone	3.960	43	75511	82.176	ug/l	99
17) Carbon Disulfide	4.198	76	114618	18.129	ug/l	98
18) Methyl Acetate	4.485	43	51895	16.199	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	121341	18.178	ug/l	99
20) Methylene Chloride	4.716	84	62485	18.716	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	47309	19.096	ug/l	93
22) Diisopropyl ether	6.119	45	159200	17.268	ug/l	95
23) Vinyl Acetate	6.064	43	441753	82.806	ug/l	96
24) 1,1-Dichloroethane	6.021	63	91345	18.125	ug/l	98
25) 2-Butanone	6.996	43	94668	79.252	ug/l	95
26) 2,2-Dichloropropane	6.984	77	84491	19.627	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	54743	18.753	ug/l	99
28) Bromochloromethane	7.338	49	31827	18.049	ug/l	93
29) Tetrahydrofuran	7.350	42	55799	78.070	ug/l	99
30) Chloroform	7.508	83	98542	19.404	ug/l	99
31) Cyclohexane	7.789	56	76198	17.450	ug/l #	93
32) 1,1,1-Trichloroethane	7.710	97	87359	20.152	ug/l	99
36) 1,1-Dichloropropene	7.923	75	67923	19.201	ug/l	98
37) Ethyl Acetate	7.076	43	40441	16.620	ug/l	99
38) Carbon Tetrachloride	7.899	117	81242	21.770	ug/l	94
39) Methylcyclohexane	9.185	83	73660	18.320	ug/l	99
40) Benzene	8.161	78	203712	19.817	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	24959m	20.641	ug/l	
42) 1,2-Dichloroethane	8.240	62	67410	20.295	ug/l	99
43) Isopropyl Acetate	8.277	43	73409	16.621	ug/l #	87
44) Trichloroethene	8.941	130	55371	20.605	ug/l	98
45) 1,2-Dichloropropane	9.216	63	52655	18.640	ug/l	97
46) Dibromomethane	9.313	93	29586	18.701	ug/l	96
47) Bromodichloromethane	9.496	83	74400	19.858	ug/l	99
48) Methyl methacrylate	9.295	41	33030	16.281	ug/l	93
49) 1,4-Dioxane	9.307	88	5881	302.879	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	200972	81.714	ug/l	99
52) Toluene	10.246	92	123846	19.872	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	73505	19.028	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	81939	19.011	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	40976	19.043	ug/l	97
56) Ethyl methacrylate	10.508	69	51851	18.057	ug/l	99
57) 1,3-Dichloropropane	10.788	76	68143	18.408	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	96590	92.843	ug/l	95
59) 2-Hexanone	10.831	43	144622	82.725	ug/l	100
60) Dibromochloromethane	10.983	129	50517	19.375	ug/l	98
61) 1,2-Dibromoethane	11.087	107	39036	19.238	ug/l	95
64) Tetrachloroethene	10.721	164	46205	20.261	ug/l	98
65) Chlorobenzene	11.514	112	136189	20.015	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	52084	19.700	ug/l	97
67) Ethyl Benzene	11.593	91	236716	19.577	ug/l	100
68) m/p-Xylenes	11.703	106	182387	40.273	ug/l	99
69) o-Xylene	12.032	106	84319	19.572	ug/l	99
70) Styrene	12.044	104	148226	20.258	ug/l	99
71) Bromoform	12.209	173	34033	19.484	ug/l #	100
73) Isopropylbenzene	12.331	105	230481	18.866	ug/l	99
74) N-amyl acetate	12.142	43	64651	15.595	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	49030	16.942	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	37621m	17.226	ug/l	
77) Bromobenzene	12.605	156	59015	20.026	ug/l	92
78) n-propylbenzene	12.672	91	285340	18.961	ug/l	98
79) 2-Chlorotoluene	12.758	91	159954	18.833	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	196726	19.749	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	16495	16.815	ug/l	97
82) 4-Chlorotoluene	12.855	91	168218	19.014	ug/l	97
83) tert-Butylbenzene	13.075	119	168335	19.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	191681	19.633	ug/l	99
85) sec-Butylbenzene	13.251	105	251868	19.243	ug/l	99
86) p-Isopropyltoluene	13.373	119	209025	19.777	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	113013	19.699	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	113948	19.753	ug/l	99
89) n-Butylbenzene	13.696	91	195640	18.881	ug/l	99
90) Hexachloroethane	13.959	117	41598	18.625	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	102237	20.012	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8097	17.267	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	60756	20.041	ug/l	98
94) Hexachlorobutadiene	15.111	225	40206	21.349	ug/l	98
95) Naphthalene	15.233	128	110956	18.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	53363	19.564	ug/l	99

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

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