

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013794.D
 Acq On : 18 May 2023 12:17
 Operator : KP/MD
 Sample : VY0518SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0518SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

Quant Time: May 19 03:20:52 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	259362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	404500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	362907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	152156	50.501	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.000%			
35) Dibromofluoromethane	7.722	113	131003	50.504	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.000%			
50) Toluene-d8	10.185	98	504765	51.330	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.483	95	168277	51.518	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	38927	20.904	ug/l	96
3) Chloromethane	2.113	50	53309	18.883	ug/l	98
4) Vinyl Chloride	2.253	62	54688	19.399	ug/l	100
5) Bromomethane	2.650	94	47218	18.889	ug/l	100
6) Chloroethane	2.796	64	36974	19.081	ug/l	93
7) Trichlorofluoromethane	3.131	101	87319	21.282	ug/l	99
8) Diethyl Ether	3.534	74	27875	20.304	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	49309	20.535	ug/l	100
10) Methyl Iodide	4.095	142	48805	18.500	ug/l	97
11) Tert butyl alcohol	4.942	59	41529	170.147	ug/l #	73
12) 1,1-Dichloroethene	3.875	96	43645	20.053	ug/l	97
13) Acrolein	3.735	56	42529	97.536	ug/l	98
14) Allyl chloride	4.485	41	84774	19.772	ug/l	98
15) Acrylonitrile	5.174	53	75294	93.520	ug/l	99
16) Acetone	3.954	43	85200	93.728	ug/l	98
17) Carbon Disulfide	4.198	76	122348	19.562	ug/l	99
18) Methyl Acetate	4.485	43	60233	19.006	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	127050	19.240	ug/l	99
20) Methylene Chloride	4.716	84	73081	23.403	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	47890	19.541	ug/l	96
22) Diisopropyl ether	6.125	45	178453	19.567	ug/l	98
23) Vinyl Acetate	6.064	43	497105	94.194	ug/l	99
24) 1,1-Dichloroethane	6.021	63	97307	19.518	ug/l	98
25) 2-Butanone	6.990	43	111803	94.614	ug/l	100
26) 2,2-Dichloropropane	6.984	77	87306	20.501	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	57192	19.805	ug/l	96
28) Bromochloromethane	7.338	49	34103	19.550	ug/l	99
29) Tetrahydrofuran	7.350	42	66057	93.427	ug/l	99
30) Chloroform	7.509	83	100455	19.995	ug/l	97
31) Cyclohexane	7.789	56	83307	19.285	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	88062	20.535	ug/l	98
36) 1,1-Dichloropropene	7.923	75	73700	20.564	ug/l	99
37) Ethyl Acetate	7.082	43	45779	18.570	ug/l	100
38) Carbon Tetrachloride	7.905	117	79911	21.136	ug/l	99
39) Methylcyclohexane	9.185	83	79184	19.439	ug/l	90
40) Benzene	8.167	78	209772	20.141	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	23689m	19.336	ug/l	
42) 1,2-Dichloroethane	8.240	62	69838	20.753	ug/l	99
43) Isopropyl Acetate	8.277	43	85736	19.161	ug/l #	90
44) Trichloroethene	8.941	130	53924	19.806	ug/l	99
45) 1,2-Dichloropropane	9.222	63	56484	19.736	ug/l	96
46) Dibromomethane	9.307	93	30857	19.251	ug/l	98
47) Bromodichloromethane	9.502	83	75612	19.919	ug/l	97
48) Methyl methacrylate	9.295	41	39512	19.223	ug/l	97
49) 1,4-Dioxane	9.319	88	7074	359.596	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	234842	94.247	ug/l	99
52) Toluene	10.246	92	127240	20.152	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	75357	19.254	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	85660	19.616	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	43149	19.793	ug/l	97
56) Ethyl methacrylate	10.514	69	55465	19.065	ug/l	97
57) 1,3-Dichloropropane	10.795	76	71668	19.109	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	108586	103.020	ug/l	100
59) 2-Hexanone	10.837	43	166105	93.781	ug/l	99
60) Dibromochloromethane	10.990	129	51766	19.597	ug/l	99
61) 1,2-Dibromoethane	11.093	107	40732	19.814	ug/l	100
64) Tetrachloroethene	10.721	164	47662	20.703	ug/l	97
65) Chlorobenzene	11.520	112	138031	20.095	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	53071	19.884	ug/l	99
67) Ethyl Benzene	11.593	91	243138	19.919	ug/l	97
68) m/p-Xylenes	11.703	106	186181	40.724	ug/l	99
69) o-Xylene	12.032	106	85636	19.691	ug/l	98
70) Styrene	12.050	104	149824	20.284	ug/l	99
71) Bromoform	12.215	173	34561	19.601	ug/l #	99
73) Isopropylbenzene	12.331	105	233036	19.665	ug/l	99
74) N-amyl acetate	12.148	43	73896	18.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	52487	18.697	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	37104m	17.514	ug/l	
77) Bromobenzene	12.611	156	57101	19.975	ug/l	97
78) n-propylbenzene	12.672	91	293495	20.106	ug/l	99
79) 2-Chlorotoluene	12.758	91	164947	20.021	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	195453	20.227	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	17576	18.471	ug/l	95
82) 4-Chlorotoluene	12.855	91	170435	19.860	ug/l	99
83) tert-Butylbenzene	13.081	119	171190	20.344	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	193952	20.479	ug/l	100
85) sec-Butylbenzene	13.258	105	257999	20.321	ug/l	99
86) p-Isopropyltoluene	13.373	119	209646	20.449	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	109592	19.693	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	110603	19.765	ug/l	99
89) n-Butylbenzene	13.696	91	200655	19.963	ug/l	99
90) Hexachloroethane	13.965	117	43925	20.275	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	100016	20.182	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8893	19.551	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	59587	20.262	ug/l	99
94) Hexachlorobutadiene	15.117	225	38627	21.144	ug/l	98
95) Naphthalene	15.239	128	110781	18.980	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	52594	19.878	ug/l	99

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

