

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013936.D
 Acq On : 31 May 2023 15:27
 Operator : KP/MD
 Sample : VY0531SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0531SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023

Quant Time: May 31 17:32:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	269764	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	407627	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.483	117	372632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	188243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	162474	52.060	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.120%			
35) Dibromofluoromethane	7.716	113	132370	50.283	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.560%			
50) Toluene-d8	10.173	98	480318	48.007	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.020%			
62) 4-Bromofluorobenzene	12.477	95	170392	51.234	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	39241	15.881	ug/l	93
3) Chloromethane	2.107	50	47472	15.770	ug/l	95
4) Vinyl Chloride	2.247	62	49243	15.996	ug/l	97
5) Bromomethane	2.650	94	42123	17.218	ug/l	94
6) Chloroethane	2.790	64	36092	17.992	ug/l	98
7) Trichlorofluoromethane	3.119	101	93904	18.124	ug/l	95
8) Diethyl Ether	3.521	74	31637	19.908	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	51771	18.432	ug/l	100
10) Methyl Iodide	4.082	142	47861	14.353	ug/l	97
11) Tert butyl alcohol	4.918	59	78362	327.762	ug/l #	76
12) 1,1-Dichloroethene	3.863	96	45478	17.235	ug/l	99
13) Acrolein	3.723	56	37806	105.126	ug/l	96
14) Allyl chloride	4.473	41	80855	16.784	ug/l	99
15) Acrylonitrile	5.161	53	92274	113.244	ug/l	99
16) Acetone	3.954	43	110121	118.885	ug/l	99
17) Carbon Disulfide	4.186	76	112537	14.288	ug/l	99
18) Methyl Acetate	4.473	43	73611	22.907	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	147517	20.485	ug/l	95
20) Methylene Chloride	4.710	84	59084	16.277	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	48622	16.951	ug/l	99
22) Diisopropyl ether	6.112	45	173610	18.665	ug/l	96
23) Vinyl Acetate	6.051	43	521427	96.250	ug/l	99
24) 1,1-Dichloroethane	6.015	63	97020	17.867	ug/l	98
25) 2-Butanone	6.984	43	136465	120.735	ug/l	99
26) 2,2-Dichloropropane	6.978	77	94032	19.225	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	57408	17.816	ug/l	96
28) Bromochloromethane	7.326	49	31995	20.074	ug/l	98
29) Tetrahydrofuran	7.344	42	82110	121.675	ug/l	97
30) Chloroform	7.496	83	106412	19.329	ug/l	99
31) Cyclohexane	7.783	56	76912	16.040	ug/l #	94
32) 1,1,1-Trichloroethane	7.698	97	94374	18.791	ug/l	99
36) 1,1-Dichloropropene	7.911	75	70114	17.487	ug/l	98
37) Ethyl Acetate	7.070	43	57651	23.571	ug/l	98
38) Carbon Tetrachloride	7.893	117	84580	18.549	ug/l	97
39) Methylcyclohexane	9.179	83	75976	16.180	ug/l	97
40) Benzene	8.155	78	210254	18.257	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	30466m	22.830	ug/l	
42) 1,2-Dichloroethane	8.228	62	77038	20.431	ug/l	99
43) Isopropyl Acetate	8.271	43	99713	22.372	ug/l	99
44) Trichloroethene	8.935	130	55020	17.733	ug/l	95
45) 1,2-Dichloropropane	9.209	63	55539	18.825	ug/l	99
46) Dibromomethane	9.301	93	34982	20.704	ug/l	96
47) Bromodichloromethane	9.490	83	81465	19.785	ug/l	99
48) Methyl methacrylate	9.289	41	45170	21.583	ug/l	94
49) 1,4-Dioxane	9.319	88	10299	518.655	ug/l #	95
51) 4-Methyl-2-Pentanone	10.069	43	294762	124.101	ug/l	99
52) Toluene	10.240	92	131598	18.741	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	82815	19.759	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	90703	19.317	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	48672	21.412	ug/l	94
56) Ethyl methacrylate	10.502	69	64820	21.362	ug/l	99
57) 1,3-Dichloropropane	10.788	76	80270	20.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	116394	120.219	ug/l	99
59) 2-Hexanone	10.831	43	214913	127.205	ug/l	99
60) Dibromochloromethane	10.977	129	59858	20.817	ug/l	97
61) 1,2-Dibromoethane	11.087	107	46442	21.477	ug/l	98
64) Tetrachloroethene	10.715	164	50000	18.135	ug/l	99
65) Chlorobenzene	11.514	112	143824	18.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	58764	19.495	ug/l	98
67) Ethyl Benzene	11.587	91	251016	17.860	ug/l	100
68) m/p-Xylenes	11.697	106	193300	36.343	ug/l	98
69) o-Xylene	12.026	106	91346	18.232	ug/l	99
70) Styrene	12.038	104	157348	18.541	ug/l	99
71) Bromoform	12.203	173	43212	21.934	ug/l #	99
73) Isopropylbenzene	12.325	105	244473	17.449	ug/l	100
74) N-amyl acetate	12.142	43	88119	20.919	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.575	83	63010	21.725	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	43990m	19.819	ug/l	
77) Bromobenzene	12.605	156	64411	18.736	ug/l	98
78) n-propylbenzene	12.666	91	305427	17.646	ug/l	100
79) 2-Chlorotoluene	12.752	91	172404	17.832	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	207728	17.961	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	22252	21.761	ug/l	99
82) 4-Chlorotoluene	12.849	91	180166	18.029	ug/l	98
83) tert-Butylbenzene	13.069	119	177416	17.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	203913	17.962	ug/l	100
85) sec-Butylbenzene	13.251	105	270316	18.066	ug/l	99
86) p-Isopropyltoluene	13.367	119	221131	17.881	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	122630	18.469	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	124209	18.790	ug/l	98
89) n-Butylbenzene	13.690	91	208161	17.552	ug/l	99
90) Hexachloroethane	13.959	117	45070	17.750	ug/l	100
91) 1,2-Dichlorobenzene	13.733	146	113009	19.151	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12045	23.704	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	66596	18.204	ug/l	99
94) Hexachlorobutadiene	15.111	225	40232	17.442	ug/l	98
95) Naphthalene	15.233	128	140422	20.437	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	60873	18.712	ug/l	98

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

