

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014355.D
 Acq On : 21 Jun 2023 23:52
 Operator : KP/MD
 Sample : VY0621SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0621SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/22/2023
 Supervised By :Mahesh Dadoda 06/22/2023

Quant Time: Jun 22 02:00:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	193101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	297863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	288908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	143930	53.526	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.060%			
35) Dibromofluoromethane	7.728	113	118664	56.176	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.360%			
50) Toluene-d8	10.185	98	396257	50.176	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.360%			
62) 4-Bromofluorobenzene	12.483	95	160294	57.138	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	43751	20.330	ug/l	93
3) Chloromethane	2.119	50	42575	15.602	ug/l	98
4) Vinyl Chloride	2.253	62	45053	16.982	ug/l	98
5) Bromomethane	2.637	94	35831	16.369	ug/l	93
6) Chloroethane	2.796	64	29327	16.268	ug/l	95
7) Trichlorofluoromethane	3.131	101	87100	20.209	ug/l	99
8) Diethyl Ether	3.539	74	28024	19.472	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.905	101	44395	20.409	ug/l	98
10) Methyl Iodide	4.100	142	44614	15.533	ug/l	96
11) Tert butyl alcohol	4.954	59	68619	217.791	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	41039	18.614	ug/l	94
13) Acrolein	3.741	56	16501	112.825	ug/l	98
14) Allyl chloride	4.490	41	69960	17.505	ug/l	99
15) Acrylonitrile	5.173	53	88149	118.747	ug/l	99
16) Acetone	3.954	43	79709	98.341	ug/l	99
17) Carbon Disulfide	4.204	76	106853	14.956	ug/l	98
18) Methyl Acetate	4.484	43	77967	24.782	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	136547	20.999	ug/l	100
20) Methylene Chloride	4.728	84	85895	31.896	ug/l	90
21) trans-1,2-Dichloroethene	5.234	96	45274	18.411	ug/l	97
22) Diisopropyl ether	6.124	45	148693	19.432	ug/l	98
23) Vinyl Acetate	6.069	43	419288	92.870	ug/l	96
24) 1,1-Dichloroethane	6.027	63	86974	19.714	ug/l	99
25) 2-Butanone	6.990	43	118298	118.566	ug/l	100
26) 2,2-Dichloropropane	6.990	77	74602	18.003	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	52939	19.244	ug/l	100
28) Bromochloromethane	7.344	49	35971	20.049	ug/l	91
29) Tetrahydrofuran	7.356	42	75564	119.436	ug/l	95
30) Chloroform	7.514	83	95086	20.315	ug/l	95
31) Cyclohexane	7.795	56	66222	18.384	ug/l #	88
32) 1,1,1-Trichloroethane	7.709	97	86300	20.443	ug/l	98
36) 1,1-Dichloropropene	7.929	75	62529	18.987	ug/l	98
37) Ethyl Acetate	7.081	43	49002	21.565	ug/l	99
38) Carbon Tetrachloride	7.911	117	79339	20.877	ug/l	98
39) Methylcyclohexane	9.191	83	69308	18.968	ug/l	97
40) Benzene	8.167	78	189645	19.366	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	23089m	19.910	ug/l	
42) 1,2-Dichloroethane	8.240	62	71355	20.605	ug/l	99
43) Isopropyl Acetate	8.276	43	84737	21.277	ug/l	96
44) Trichloroethene	8.947	130	52365	20.014	ug/l	99
45) 1,2-Dichloropropane	9.221	63	49035	19.714	ug/l	96
46) Dibromomethane	9.313	93	30681	20.038	ug/l	98
47) Bromodichloromethane	9.502	83	74029	20.650	ug/l	100
48) Methyl methacrylate	9.301	41	39944	21.504	ug/l	97
49) 1,4-Dioxane	9.301	88	9802	503.829	ug/l #	57
51) 4-Methyl-2-Pentanone	10.075	43	257621	119.066	ug/l	98
52) Toluene	10.252	92	121347	19.990	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	74913	19.850	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	78304	19.017	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	44140	21.735	ug/l	96
56) Ethyl methacrylate	10.514	69	60577	21.626	ug/l	93
57) 1,3-Dichloropropane	10.794	76	71802	20.673	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	81254	86.105	ug/l	97
59) 2-Hexanone	10.837	43	186405	119.281	ug/l	100
60) Dibromochloromethane	10.989	129	57337	22.059	ug/l	98
61) 1,2-Dibromoethane	11.093	107	41395	20.654	ug/l	97
64) Tetrachloroethene	10.727	164	55271	22.445	ug/l	97
65) Chlorobenzene	11.520	112	134182	19.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	55254	20.236	ug/l	99
67) Ethyl Benzene	11.599	91	235382	19.371	ug/l	100
68) m/p-Xylenes	11.709	106	183605	39.283	ug/l	98
69) o-Xylene	12.032	106	87528	19.808	ug/l	99
70) Styrene	12.050	104	154129	20.437	ug/l	99
71) Bromoform	12.215	173	43142	23.071	ug/l #	96
73) Isopropylbenzene	12.337	105	236289	19.067	ug/l	100
74) N-amyl acetate	12.148	43	73913	18.821	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	56290	20.327	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	43288m	20.310	ug/l	
77) Bromobenzene	12.611	156	62077	19.058	ug/l	97
78) n-propylbenzene	12.672	91	286799	18.947	ug/l	99
79) 2-Chlorotoluene	12.763	91	166739	19.144	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	204362	19.259	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	18868	19.136	ug/l	98
82) 4-Chlorotoluene	12.861	91	174440	18.900	ug/l	98
83) tert-Butylbenzene	13.080	119	176564	19.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	203207	19.346	ug/l	99
85) sec-Butylbenzene	13.257	105	257517	19.643	ug/l	100
86) p-Isopropyltoluene	13.373	119	219710	19.582	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	120120	19.315	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	120976	19.307	ug/l	99
89) n-Butylbenzene	13.702	91	199609	19.181	ug/l	99
90) Hexachloroethane	13.964	117	44173	19.757	ug/l	95
91) 1,2-Dichlorobenzene	13.745	146	112367	20.118	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12352	23.424	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	68261	19.292	ug/l	99
94) Hexachlorobutadiene	15.117	225	41465	20.298	ug/l	99
95) Naphthalene	15.239	128	146270	20.366	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	63409	19.832	ug/l	98

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

