

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014103.D
 Acq On : 09 Jun 2023 18:33
 Operator : KP/MD
 Sample : VY0609SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0609SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/12/2023
 Supervised By :Mahesh Dadoda 06/12/2023

Quant Time: Jun 10 05:14:15 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	7.789	168	214809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	322516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	133034	44.474	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.940%		
35) Dibromofluoromethane	7.716	113	112878	49.352	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.700%		
50) Toluene-d8	10.178	98	399607	46.732	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.460%		
62) 4-Bromofluorobenzene	12.483	95	145624	47.941	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	55604	23.226	ug/l	99
3) Chloromethane	2.113	50	62065	20.446	ug/l	100
4) Vinyl Chloride	2.253	62	61333	20.782	ug/l	97
5) Bromomethane	2.655	94	50813	20.867	ug/l	100
6) Chloroethane	2.796	64	40596	20.243	ug/l	99
7) Trichlorofluoromethane	3.125	101	103161	21.516	ug/l	99
8) Diethyl Ether	3.527	74	31869	19.906	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	52302	21.615	ug/l	99
10) Methyl Iodide	4.094	142	60786	19.024	ug/l	98
11) Tert butyl alcohol	4.929	59	47436	126.893	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	49503	20.184	ug/l	98
13) Acrolein	3.735	56	21440	141.050	ug/l	99
14) Allyl chloride	4.484	41	83132	18.699	ug/l	96
15) Acrylonitrile	5.167	53	76919	93.148	ug/l	99
16) Acetone	3.960	43	69570	77.158	ug/l	99
17) Carbon Disulfide	4.198	76	158545	19.949	ug/l	99
18) Methyl Acetate	4.484	43	59704	17.059	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	137293	18.980	ug/l	98
20) Methylene Chloride	4.716	84	60493	18.776	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	54495	19.921	ug/l	96
22) Diisopropyl ether	6.118	45	165019	19.386	ug/l	98
23) Vinyl Acetate	6.063	43	477406	95.057	ug/l	100
24) 1,1-Dichloroethane	6.021	63	96455	19.653	ug/l	99
25) 2-Butanone	6.990	43	97157	87.537	ug/l	97
26) 2,2-Dichloropropane	6.984	77	89494	19.415	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	59399	19.410	ug/l	100
28) Bromochloromethane	7.338	49	39732	19.907	ug/l	94
29) Tetrahydrofuran	7.356	42	63510	90.239	ug/l	98
30) Chloroform	7.508	83	103146	19.810	ug/l	96
31) Cyclohexane	7.789	56	82699	20.638	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	96137	20.472	ug/l	99
36) 1,1-Dichloropropene	7.917	75	75556	21.189	ug/l	99
37) Ethyl Acetate	7.075	43	46552	18.921	ug/l	97
38) Carbon Tetrachloride	7.904	117	88548	21.519	ug/l	100
39) Methylcyclohexane	9.185	83	85263	21.551	ug/l	97
40) Benzene	8.161	78	218840	20.639	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	24634	19.619	ug/l	93
42) 1,2-Dichloroethane	8.240	62	76617	20.434	ug/l	100
43) Isopropyl Acetate	8.276	43	83579	19.382	ug/l	98
44) Trichloroethene	8.941	130	59594	21.036	ug/l	92
45) 1,2-Dichloropropane	9.215	63	53730	19.950	ug/l	98
46) Dibromomethane	9.307	93	32503	19.606	ug/l	98
47) Bromodichloromethane	9.496	83	79233	20.412	ug/l	97
48) Methyl methacrylate	9.294	41	39054	19.418	ug/l	98
49) 1,4-Dioxane	9.313	88	8475	402.322	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	230236	98.275	ug/l	100
52) Toluene	10.246	92	134400	20.447	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	80664	19.740	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	87689	19.668	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	43031	19.569	ug/l	98
56) Ethyl methacrylate	10.514	69	58181	19.183	ug/l	98
57) 1,3-Dichloropropane	10.788	76	74460	19.799	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	77255	79.098	ug/l	98
59) 2-Hexanone	10.831	43	156549	92.519	ug/l	99
60) Dibromochloromethane	10.983	129	57879	20.565	ug/l	100
61) 1,2-Dibromoethane	11.087	107	43257	19.933	ug/l	100
64) Tetrachloroethene	10.721	164	53935	21.025	ug/l	98
65) Chlorobenzene	11.514	112	145577	20.130	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	57424	20.188	ug/l	99
67) Ethyl Benzene	11.593	91	258394	20.413	ug/l	99
68) m/p-Xylenes	11.703	106	201271	41.338	ug/l	99
69) o-Xylene	12.032	106	95077	20.654	ug/l	99
70) Styrene	12.044	104	160930	20.483	ug/l	98
71) Bromoform	12.209	173	39013	20.027	ug/l #	99
73) Isopropylbenzene	12.331	105	249006	20.447	ug/l	100
74) N-amyl acetate	12.142	43	75911	19.670	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	52804	19.404	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	41032m	19.591	ug/l	
77) Bromobenzene	12.611	156	62335	19.475	ug/l	97
78) n-propylbenzene	12.672	91	305608	20.545	ug/l	99
79) 2-Chlorotoluene	12.757	91	173131	20.228	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	212156	20.346	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	18850	19.455	ug/l	98
82) 4-Chlorotoluene	12.855	91	181849	20.050	ug/l	98
83) tert-Butylbenzene	13.074	119	179331	20.237	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	213315	20.666	ug/l	99
85) sec-Butylbenzene	13.251	105	263814	20.477	ug/l	99
86) p-Isopropyltoluene	13.367	119	223634	20.282	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	123722	20.245	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	122187	19.844	ug/l	99
89) n-Butylbenzene	13.696	91	208147	20.353	ug/l	99
90) Hexachloroethane	13.958	117	45580	20.746	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	110370	20.108	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9864	19.035	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	68284	19.638	ug/l	98
94) Hexachlorobutadiene	15.111	225	41758	20.802	ug/l	99
95) Naphthalene	15.239	128	134804	19.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	61497	19.573	ug/l	98

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

