

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020223\
 Data File : VY012454.D
 Acq On : 02 Feb 2023 14:01
 Operator : KP/MD
 Sample : VY0202SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0202SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023

Quant Time: Feb 03 03:11:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	177679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	268705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	247840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68757	46.403	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.800%		
35) Dibromofluoromethane	7.722	113	66751	46.915	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.840%		
50) Toluene-d8	10.179	98	231908	46.762	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.520%		
62) 4-Bromofluorobenzene	12.483	95	93688	46.711	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31875	20.528	ug/l	97
3) Chloromethane	2.113	50	30523	21.294	ug/l	97
4) Vinyl Chloride	2.253	62	35651	21.308	ug/l	99
5) Bromomethane	2.650	94	27839	21.521	ug/l	91
6) Chloroethane	2.796	64	23895	21.899	ug/l	97
7) Trichlorofluoromethane	3.125	101	71122	21.780	ug/l	100
8) Diethyl Ether	3.528	74	21143	21.759	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	36425	22.919	ug/l	96
10) Methyl Iodide	4.088	142	42910	17.767	ug/l	97
11) Tert butyl alcohol	4.942	59	31214	174.899	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	36091	22.116	ug/l	95
13) Acrolein	3.729	56	8160	105.687	ug/l	97
14) Allyl chloride	4.479	41	46078	22.836	ug/l #	91
15) Acrylonitrile	5.168	53	49787	117.305	ug/l	99
16) Acetone	3.948	43	53404	107.940	ug/l	100
17) Carbon Disulfide	4.198	76	100716	19.953	ug/l	97
18) Methyl Acetate	4.479	43	25763	23.271	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	99277	21.824	ug/l	97
20) Methylene Chloride	4.722	84	50277	19.409	ug/l #	84
21) trans-1,2-Dichloroethene	5.222	96	39839	21.877	ug/l	90
22) Diisopropyl ether	6.125	45	95090	23.639	ug/l #	94
23) Vinyl Acetate	6.064	43	283091	112.936	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	62793	22.505	ug/l	97
25) 2-Butanone	6.984	43	63900	116.989	ug/l	91
26) 2,2-Dichloropropane	6.978	77	67352	22.236	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	44255	22.124	ug/l	96
28) Bromochloromethane	7.332	49	12848	21.084	ug/l #	75
29) Tetrahydrofuran	7.350	42	35299	117.653	ug/l #	86
30) Chloroform	7.509	83	73347	22.269	ug/l	99
31) Cyclohexane	7.789	56	55796	21.538	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	70223	21.536	ug/l	98
36) 1,1-Dichloropropene	7.917	75	52639	21.769	ug/l	97
37) Ethyl Acetate	7.076	43	24371	22.863	ug/l #	93
38) Carbon Tetrachloride	7.899	117	66542	21.307	ug/l	99
39) Methylcyclohexane	9.185	83	65385	22.127	ug/l	95
40) Benzene	8.161	78	155726	22.313	ug/l	97

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41) Methacrylonitrile	7.320	41	14856m	23.710	ug/l	
42) 1,2-Dichloroethane	8.240	62	47869	21.544	ug/l	100
43) Isopropyl Acetate	8.271	43	45064	22.722	ug/l #	92
44) Trichloroethene	8.941	130	46202	22.148	ug/l	97
45) 1,2-Dichloropropane	9.216	63	33989	23.340	ug/l	99
46) Dibromomethane	9.307	93	21503	22.056	ug/l	94
47) Bromodichloromethane	9.496	83	54521	22.216	ug/l	96
48) Methyl methacrylate	9.295	41	19913	21.792	ug/l	88
49) 1,4-Dioxane	9.295	88	6005	452.034	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	125294	118.479	ug/l	96
52) Toluene	10.246	92	103867	22.352	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	56159	21.877	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	61861	22.377	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	31717	22.898	ug/l	97
56) Ethyl methacrylate	10.508	69	41171	22.656	ug/l	93
57) 1,3-Dichloropropane	10.788	76	52007	22.990	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	67756	112.685	ug/l	91
59) 2-Hexanone	10.831	43	91823	114.045	ug/l	93
60) Dibromochloromethane	10.984	129	41506	22.593	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30438	22.773	ug/l	99
64) Tetrachloroethene	10.721	164	51131	22.609	ug/l	96
65) Chlorobenzene	11.520	112	111797	22.047	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	43219	22.580	ug/l	98
67) Ethyl Benzene	11.593	91	196552	21.688	ug/l	98
68) m/p-Xylenes	11.703	106	156403	43.648	ug/l	98
69) o-Xylene	12.032	106	74398	21.737	ug/l	98
70) Styrene	12.044	104	126046	22.042	ug/l	98
71) Bromoform	12.209	173	26963	22.049	ug/l #	97
73) Isopropylbenzene	12.331	105	201256	21.961	ug/l	99
74) N-amyl acetate	12.142	43	39483	21.978	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	32808	22.728	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	23214m	19.864	ug/l	
77) Bromobenzene	12.611	156	48196	21.856	ug/l	93
78) n-propylbenzene	12.672	91	233752	21.797	ug/l	98
79) 2-Chlorotoluene	12.758	91	134013	22.102	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	174203	21.866	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	13187	23.250	ug/l	98
82) 4-Chlorotoluene	12.855	91	137873	21.647	ug/l	97
83) tert-Butylbenzene	13.075	119	147686	21.270	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	171479	21.826	ug/l	100
85) sec-Butylbenzene	13.251	105	215257	21.774	ug/l	97
86) p-Isopropyltoluene	13.373	119	187561	21.715	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	94733	21.600	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	92393	21.123	ug/l	99
89) n-Butylbenzene	13.696	91	163130	21.794	ug/l	98
90) Hexachloroethane	13.959	117	33493	21.480	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	85302	21.797	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6502	21.796	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	49875	19.890	ug/l	98
94) Hexachlorobutadiene	15.111	225	31462	20.839	ug/l	99
95) Naphthalene	15.239	128	95191	19.233	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	42700	19.789	ug/l	99

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

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