

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014276.D
 Acq On : 20 Jun 2023 12:24
 Operator : KP/MD
 Sample : VY0620SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0620SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 21 02:06:42 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	7.789	168	211994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	310993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	301014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	173059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131647	44.595	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.200%		
35) Dibromofluoromethane	7.716	113	110326	50.023	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.040%		
50) Toluene-d8	10.179	98	375697	45.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.120%		
62) 4-Bromofluorobenzene	12.477	95	152123	51.936	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	50165	21.233	ug/l	98
3) Chloromethane	2.107	50	47626	15.898	ug/l	99
4) Vinyl Chloride	2.247	62	49372	16.951	ug/l	95
5) Bromomethane	2.625	94	38706	16.106	ug/l	88
6) Chloroethane	2.784	64	32199	16.269	ug/l	98
7) Trichlorofluoromethane	3.113	101	94221	19.913	ug/l	98
8) Diethyl Ether	3.521	74	29065	18.396	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	48905	20.479	ug/l	99
10) Methyl Iodide	4.082	142	46851	14.858	ug/l	96
11) Tert butyl alcohol	4.948	59	52370	144.601	ug/l #	86
12) 1,1-Dichloroethene	3.863	96	43310	17.893	ug/l	94
13) Acrolein	3.723	56	20246	132.727	ug/l	98
14) Allyl chloride	4.472	41	78088	17.798	ug/l	99
15) Acrylonitrile	5.155	53	92542	113.555	ug/l	99
16) Acetone	3.942	43	88376	99.317	ug/l	99
17) Carbon Disulfide	4.186	76	123435	15.737	ug/l	98
18) Methyl Acetate	4.472	43	78171	22.633	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	138831	19.447	ug/l	95
20) Methylene Chloride	4.710	84	58627	18.369	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	49399	18.298	ug/l	98
22) Diisopropyl ether	6.119	45	161684	19.247	ug/l	93
23) Vinyl Acetate	6.058	43	477752	96.389	ug/l	98
24) 1,1-Dichloroethane	6.015	63	92303	19.057	ug/l	99
25) 2-Butanone	6.984	43	130058	118.736	ug/l	98
26) 2,2-Dichloropropane	6.978	77	89716	19.721	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	57238	18.953	ug/l	98
28) Bromochloromethane	7.326	49	37906	19.245	ug/l	95
29) Tetrahydrofuran	7.344	42	82059	118.143	ug/l	99
30) Chloroform	7.502	83	101151	19.685	ug/l	95
31) Cyclohexane	7.783	56	75769	19.160	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	92827	20.030	ug/l	100
36) 1,1-Dichloropropene	7.917	75	69423	20.191	ug/l	99
37) Ethyl Acetate	7.076	43	54555	22.995	ug/l	97
38) Carbon Tetrachloride	7.899	117	87222	21.982	ug/l	97
39) Methylcyclohexane	9.179	83	78668	20.621	ug/l	98
40) Benzene	8.155	78	203677	19.921	ug/l	99

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41) Methacrylonitrile	7.320	41	30268m	24.999	ug/l	
42) 1,2-Dichloroethane	8.234	62	74802	20.689	ug/l	99
43) Isopropyl Acetate	8.271	43	92999	22.366	ug/l	98
44) Trichloroethene	8.935	130	56347	20.627	ug/l	98
45) 1,2-Dichloropropane	9.216	63	52875	20.360	ug/l	100
46) Dibromomethane	9.307	93	33412	20.901	ug/l	99
47) Bromodichloromethane	9.496	83	78199	20.892	ug/l	98
48) Methyl methacrylate	9.289	41	43725	22.545	ug/l	98
49) 1,4-Dioxane	9.295	88	9872	486.004	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	275008	121.735	ug/l	100
52) Toluene	10.240	92	130362	20.568	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	82526	20.944	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	84869	19.741	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	45993	21.691	ug/l	96
56) Ethyl methacrylate	10.508	69	62202	21.269	ug/l	98
57) 1,3-Dichloropropane	10.788	76	78072	21.529	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	84524	85.893	ug/l	100
59) 2-Hexanone	10.831	43	199180	122.074	ug/l	99
60) Dibromochloromethane	10.983	129	60055	22.129	ug/l	99
61) 1,2-Dibromoethane	11.087	107	46124	22.041	ug/l	100
64) Tetrachloroethene	10.715	164	61147	23.832	ug/l	95
65) Chlorobenzene	11.514	112	143924	19.899	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	58142	20.438	ug/l	99
67) Ethyl Benzene	11.587	91	251639	19.876	ug/l	100
68) m/p-Xylenes	11.703	106	194607	39.963	ug/l	100
69) o-Xylene	12.026	106	90504	19.658	ug/l	96
70) Styrene	12.044	104	161963	20.612	ug/l	99
71) Bromoform	12.209	173	42553	21.841	ug/l	100
73) Isopropylbenzene	12.331	105	248856	18.850	ug/l	99
74) N-amyl acetate	12.142	43	82832	19.799	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	58568	19.854	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	45727m	20.140	ug/l	
77) Bromobenzene	12.605	156	65048	18.746	ug/l	99
78) n-propylbenzene	12.672	91	310845	19.277	ug/l	99
79) 2-Chlorotoluene	12.751	91	175763	18.943	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	217455	19.237	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	21507	20.476	ug/l	97
82) 4-Chlorotoluene	12.855	91	189112	19.234	ug/l	100
83) tert-Butylbenzene	13.075	119	188080	19.579	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	214297	19.151	ug/l	99
85) sec-Butylbenzene	13.251	105	280517	20.085	ug/l	99
86) p-Isopropyltoluene	13.367	119	236017	19.746	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	127723	19.279	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	127366	19.081	ug/l	99
89) n-Butylbenzene	13.696	91	222030	20.028	ug/l	100
90) Hexachloroethane	13.959	117	47202	19.818	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	118946	19.990	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11865	21.121	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	73394	19.471	ug/l	99
94) Hexachlorobutadiene	15.111	225	45865	21.076	ug/l	99
95) Naphthalene	15.233	128	148270	19.379	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	65738	19.300	ug/l	98

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

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