

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014254.D
 Acq On : 20 Jun 2023 02:40
 Operator : KP/MD
 Sample : VY0619SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2023
 Supervised By : Mahesh Dadoda 06/20/2023

Quant Time: Jun 20 05:07:09 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	193064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	302350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	288871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	141010	52.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.900%			
35) Dibromofluoromethane	7.728	113	119983	55.957	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.920%			
50) Toluene-d8	10.184	98	401641	50.103	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.483	95	158970	55.826	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	46507	21.615	ug/l	98
3) Chloromethane	2.119	50	48416	17.746	ug/l	95
4) Vinyl Chloride	2.253	62	48727	18.370	ug/l	100
5) Bromomethane	2.637	94	37564	17.164	ug/l	100
6) Chloroethane	2.789	64	31706	17.591	ug/l	98
7) Trichlorofluoromethane	3.125	101	86894	20.165	ug/l	99
8) Diethyl Ether	3.539	74	28869	20.063	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	45018	20.700	ug/l	99
10) Methyl Iodide	4.094	142	48119	16.756	ug/l	98
11) Tert butyl alcohol	4.966	59	37340	108.365	ug/l #	83
12) 1,1-Dichloroethene	3.875	96	42623	19.336	ug/l	98
14) Allyl chloride	4.484	41	73272	18.338	ug/l	100
15) Acrylonitrile	5.173	53	86103	116.013	ug/l	100
16) Acetone	3.954	43	77221	95.290	ug/l	100
17) Carbon Disulfide	4.204	76	121570	17.019	ug/l	99
18) Methyl Acetate	4.484	43	124740	39.657	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	134140	20.632	ug/l	99
20) Methylene Chloride	4.728	84	76346	27.927	ug/l	94
21) trans-1,2-Dichloroethene	5.234	96	47605	19.362	ug/l	97
22) Diisopropyl ether	6.130	45	152118	19.883	ug/l	93
23) Vinyl Acetate	6.069	43	323208	71.602	ug/l	97
24) 1,1-Dichloroethane	6.021	63	88657	20.099	ug/l	99
25) 2-Butanone	6.996	43	117409	117.698	ug/l	100
26) 2,2-Dichloropropane	6.990	77	72475	17.493	ug/l	97
27) cis-1,2-Dichloroethene	7.002	96	54971	19.987	ug/l	98
28) Bromochloromethane	7.344	49	39538	22.041	ug/l	95
29) Tetrahydrofuran	7.356	42	76312	120.641	ug/l	98
30) Chloroform	7.514	83	97283	20.789	ug/l	98
31) Cyclohexane	7.795	56	70832	19.668	ug/l	94
32) 1,1,1-Trichloroethane	7.709	97	87473	20.725	ug/l	100
36) 1,1-Dichloropropene	7.923	75	66674	19.945	ug/l	99
37) Ethyl Acetate	7.081	43	43663	18.930	ug/l	97
38) Carbon Tetrachloride	7.904	117	80282	20.812	ug/l	95
39) Methylcyclohexane	9.191	83	72165	19.457	ug/l	100
40) Benzene	8.167	78	200559	20.176	ug/l	98
41) Methacrylonitrile	7.331	41	27408m	23.284	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.246	62	73571	20.930	ug/l	99
43) Isopropyl Acetate	8.276	43	76556	18.937	ug/l	97
44) Trichloroethene	8.947	130	55604	20.937	ug/l	93
45) 1,2-Dichloropropane	9.221	63	51417	20.365	ug/l	99
46) Dibromomethane	9.313	93	31816	20.471	ug/l	99
47) Bromodichloromethane	9.502	83	74866	20.573	ug/l	96
48) Methyl methacrylate	9.300	41	41381	21.947	ug/l	98
49) 1,4-Dioxane	9.307	88	8827	446.980	ug/l #	47
51) 4-Methyl-2-Pentanone	10.075	43	255831	116.484	ug/l	100
52) Toluene	10.252	92	126624	20.549	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	75496	19.708	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	82167	19.659	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	44124	21.405	ug/l	98
56) Ethyl methacrylate	10.514	69	58568	20.598	ug/l	99
57) 1,3-Dichloropropane	10.794	76	73960	20.978	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	85290	88.065	ug/l	98
59) 2-Hexanone	10.837	43	181197	114.228	ug/l	99
60) Dibromochloromethane	10.989	129	57217	21.686	ug/l	100
61) 1,2-Dibromoethane	11.093	107	43385	21.325	ug/l	98
64) Tetrachloroethene	10.727	164	59878	24.319	ug/l	95
65) Chlorobenzene	11.520	112	138331	19.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	56580	20.724	ug/l	99
67) Ethyl Benzene	11.599	91	240931	19.830	ug/l	99
68) m/p-Xylenes	11.709	106	187039	40.023	ug/l	99
69) o-Xylene	12.032	106	90120	20.397	ug/l	98
70) Styrene	12.050	104	155810	20.662	ug/l	99
71) Bromoform	12.215	173	39829	21.302	ug/l #	99
73) Isopropylbenzene	12.330	105	236144	18.997	ug/l	100
74) N-amyl acetate	12.148	43	54064	13.724	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.586	83	56540	20.355	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	41684m	19.498	ug/l	
77) Bromobenzene	12.617	156	62561	19.148	ug/l	96
78) n-propylbenzene	12.672	91	291691	19.211	ug/l	99
79) 2-Chlorotoluene	12.757	91	169648	19.419	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	205308	19.289	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.385	75	17487	17.681	ug/l	95
82) 4-Chlorotoluene	12.855	91	177482	19.171	ug/l	99
83) tert-Butylbenzene	13.080	119	173856	19.221	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	202998	19.267	ug/l	99
85) sec-Butylbenzene	13.257	105	258833	19.683	ug/l	100
86) p-Isopropyltoluene	13.373	119	212242	18.858	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	119756	19.198	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	122010	19.413	ug/l	100
89) n-Butylbenzene	13.702	91	199239	19.087	ug/l	99
90) Hexachloroethane	13.964	117	44037	19.636	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	110906	19.795	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11320	21.401	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	66358	18.697	ug/l	98
94) Hexachlorobutadiene	15.117	225	40364	19.699	ug/l	99
95) Naphthalene	15.238	128	138814	19.269	ug/l	100
96) 1,2,3-Trichlorobenzene	15.427	180	61913	19.305	ug/l	99

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

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