

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004928.D
 Acq On : 03 Jun 2021 11:56
 Operator : SY/MD
 Sample : VY0603SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2021 4:33:15 PM

Quant Time: Jun 04 01:13:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	283446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	465842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	399651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	185364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	139275	46.479	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.960%
35) Dibromofluoromethane	7.722	113	121150	48.338	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.680%
50) Toluene-d8	10.185	98	494276	47.486	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.980%
62) 4-Bromofluorobenzene	12.483	95	163470	45.664	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	55735	21.654	ug/l	99
3) Chloromethane	2.119	50	71247	20.272	ug/l	98
4) Vinyl Chloride	2.259	62	68120	20.147	ug/l	97
5) Bromomethane	2.649	94	40185	20.970	ug/l	89
6) Chloroethane	2.802	64	40312	19.933	ug/l	95
7) Trichlorofluoromethane	3.131	101	91880	19.212	ug/l	99
8) Diethyl Ether	3.533	74	36168	19.478	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	57667	19.770	ug/l	100
10) Methyl Iodide	4.100	142	57988	20.825	ug/l	98
11) Tert butyl alcohol	4.984	59	30855	89.537	ug/l	98
12) 1,1-Dichloroethene	3.881	96	57987	19.906	ug/l	95
13) Acrolein	3.741	56	37652	103.369	ug/l	97
14) Allyl chloride	4.490	41	104440	19.664	ug/l	99
15) Acrylonitrile	5.179	53	83446	95.568	ug/l	99
16) Acetone	3.960	43	66829	92.646	ug/l	95
17) Carbon Disulfide	4.204	76	180965	20.202	ug/l	100
18) Methyl Acetate	4.490	43	41972	18.157	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	144136	19.222	ug/l	100
20) Methylene Chloride	4.722	84	78492	18.925	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	64067	19.593	ug/l	97
22) Diisopropyl ether	6.130	45	196982	20.203	ug/l	96
23) Vinyl Acetate	6.069	43	707642	99.757	ug/l	99
24) 1,1-Dichloroethane	6.033	63	114236	19.467	ug/l	100
25) 2-Butanone	6.996	43	114289	94.224	ug/l	95
26) 2,2-Dichloropropane	6.990	77	96691	19.495	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	69162	19.302	ug/l	99
28) Bromochloromethane	7.344	49	54247	20.694	ug/l	98
29) Tetrahydrofuran	7.362	42	74188	96.170	ug/l	98
30) Chloroform	7.514	83	106564	19.151	ug/l	98
31) Cyclohexane	7.789	56	104558	19.818	ug/l #	95
32) 1,1,1-Trichloroethane	7.709	97	96337	19.737	ug/l	100
36) 1,1-Dichloropropene	7.923	75	89108	19.545	ug/l	99
37) Ethyl Acetate	7.088	43	56768	18.929	ug/l	98
38) Carbon Tetrachloride	7.905	117	77006	19.408	ug/l	97
39) Methylcyclohexane	9.191	83	98799	19.619	ug/l	97
40) Benzene	8.167	78	258277	19.799	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	32908m	19.961	ug/l	
42) 1,2-Dichloroethane	8.246	62	72678	19.299	ug/l	100
43) Isopropyl Acetate	8.283	43	99569	18.494	ug/l	99
44) Trichloroethene	8.947	130	67838	19.870	ug/l	96
45) 1,2-Dichloropropane	9.221	63	66637	19.518	ug/l	95
46) Dibromomethane	9.307	93	35076	19.237	ug/l	98
47) Bromodichloromethane	9.502	83	82069	19.171	ug/l	100
48) Methyl methacrylate	9.301	41	46113	18.824	ug/l	99
49) 1,4-Dioxane	9.307	88	7958	361.503	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	267069	94.623	ug/l	98
52) Toluene	10.246	92	156471	19.823	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	91124	19.233	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	108614	20.177	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	46478	18.339	ug/l	97
56) Ethyl methacrylate	10.514	69	69512	19.158	ug/l	99
57) 1,3-Dichloropropane	10.794	76	86077	19.087	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	187243	102.120	ug/l	99
59) 2-Hexanone	10.837	43	176616	92.579	ug/l	99
60) Dibromochloromethane	10.989	129	54314	18.842	ug/l	99
61) 1,2-Dibromoethane	11.093	107	45095	18.553	ug/l	100
64) Tetrachloroethene	10.721	164	65330	19.549	ug/l	97
65) Chlorobenzene	11.520	112	160353	20.251	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	55214	19.560	ug/l	99
67) Ethyl Benzene	11.593	91	290126	19.826	ug/l	100
68) m/p-Xylenes	11.703	106	219931	40.113	ug/l	100
69) o-Xylene	12.032	106	101393	19.859	ug/l	99
70) Styrene	12.044	104	170886	20.088	ug/l	99
71) Bromoform	12.209	173	31615	18.995	ug/l #	100
73) Isopropylbenzene	12.331	105	274902	19.633	ug/l	99
74) N-amyl acetate	12.148	43	88498	19.589	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	53742	19.120	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	38709m	19.050	ug/l	
77) Bromobenzene	12.611	156	61301	19.593	ug/l	98
78) n-propylbenzene	12.672	91	337641	20.005	ug/l	99
79) 2-Chlorotoluene	12.757	91	183759	19.530	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	229555	19.872	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	20387	18.439	ug/l	96
82) 4-Chlorotoluene	12.855	91	191066	19.872	ug/l	99
83) tert-Butylbenzene	13.074	119	196448	20.104	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	229422	19.984	ug/l	99
85) sec-Butylbenzene	13.251	105	286518	20.141	ug/l	100
86) p-Isopropyltoluene	13.373	119	244793	20.060	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	118267	19.858	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	118657	19.976	ug/l	100
89) n-Butylbenzene	13.696	91	236468	20.147	ug/l	99
90) Hexachloroethane	13.958	117	35122	19.391	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	104979	19.950	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8566	18.405	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	63493	19.213	ug/l	98
94) Hexachlorobutadiene	15.111	225	35387	20.296	ug/l	99
95) Naphthalene	15.239	128	137999	18.995	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	57369	19.720	ug/l	99

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

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