

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy062921\
 Data File : VY005269.D
 Acq On : 29 Jun 2021 12:48
 Operator : SY/MD
 Sample : VY0629SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0629SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/30/2021 7:40:06 PM

Quant Time: Jun 30 03:59:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	265833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	375845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	348878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	182754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	125373	56.832	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.660%
35) Dibromofluoromethane	7.728	113	119768	54.033	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.060%
50) Toluene-d8	10.185	98	488374	55.095	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.180%
62) 4-Bromofluorobenzene	12.483	95	162997	55.182	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.360%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	37916	21.691	ug/l	97
3) Chloromethane	2.119	50	52955	22.747	ug/l	97
4) Vinyl Chloride	2.259	62	59399	22.316	ug/l	98
5) Bromomethane	2.650	94	40378	23.917	ug/l	99
6) Chloroethane	2.796	64	37327	21.445	ug/l	97
7) Trichlorofluoromethane	3.131	101	78248	21.990	ug/l	98
8) Diethyl Ether	3.540	74	28631	21.508	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	46988	21.569	ug/l	99
10) Methyl Iodide	4.101	142	53997	17.424	ug/l	98
11) Tert butyl alcohol	4.966	59	39847	110.777	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	46651	21.196	ug/l	96
13) Acrolein	3.735	56	14736	135.945	ug/l	95
14) Allyl chloride	4.491	41	71919	22.748	ug/l	95
15) Acrylonitrile	5.180	53	66808	108.040	ug/l	99
16) Acetone	3.960	43	55346	108.602	ug/l	98
17) Carbon Disulfide	4.204	76	150971	21.809	ug/l	100
18) Methyl Acetate	4.491	43	30961	22.860	ug/l	95
19) Methyl tert-butyl Ether	5.234	73	125650	20.881	ug/l	97
20) Methylene Chloride	4.722	84	68195	20.056	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	52145	21.277	ug/l	98
22) Diisopropyl ether	6.131	45	154021	23.435	ug/l	97
23) Vinyl Acetate	6.070	43	480087	112.880	ug/l	97
24) 1,1-Dichloroethane	6.027	63	90928	22.292	ug/l	99
25) 2-Butanone	6.996	43	79980	107.629	ug/l	95
26) 2,2-Dichloropropane	6.990	77	78128	21.965	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	58522	21.232	ug/l	96
28) Bromochloromethane	7.344	49	36649	22.457	ug/l	90
29) Tetrahydrofuran	7.356	42	53359	109.137	ug/l	95
30) Chloroform	7.515	83	91328	22.002	ug/l	99
31) Cyclohexane	7.789	56	86918	22.069	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	81170	21.925	ug/l	99
36) 1,1-Dichloropropene	7.923	75	72428	21.884	ug/l	98
37) Ethyl Acetate	7.082	43	37209	21.802	ug/l	99
38) Carbon Tetrachloride	7.905	117	74973	21.641	ug/l	98
39) Methylcyclohexane	9.185	83	88741	20.719	ug/l	94
40) Benzene	8.167	78	213905	21.919	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	19944m	21.071	ug/l	
42) 1,2-Dichloroethane	8.240	62	59383	22.403	ug/l	98
43) Isopropyl Acetate	8.277	43	69510	22.158	ug/l	97
44) Trichloroethene	8.941	130	59792	21.671	ug/l	98
45) 1,2-Dichloropropane	9.222	63	52462	22.466	ug/l	95
46) Dibromomethane	9.313	93	29116	21.440	ug/l	97
47) Bromodichloromethane	9.502	83	70288	22.073	ug/l	97
48) Methyl methacrylate	9.295	41	30220	21.959	ug/l	94
49) 1,4-Dioxane	9.301	88	7490	419.405	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	183090	111.509	ug/l	96
52) Toluene	10.246	92	134707	21.595	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	74592	21.400	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	85071	21.648	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	41273	20.811	ug/l	98
56) Ethyl methacrylate	10.514	69	55756	20.711	ug/l	93
57) 1,3-Dichloropropane	10.794	76	71460	21.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	137343	115.668	ug/l	97
59) 2-Hexanone	10.837	43	124622	110.353	ug/l	95
60) Dibromochloromethane	10.990	129	50602	20.829	ug/l	97
61) 1,2-Dibromoethane	11.093	107	39938	20.702	ug/l	98
64) Tetrachloroethene	10.721	164	53985	20.969	ug/l	99
65) Chlorobenzene	11.520	112	145871	21.095	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	54132	21.091	ug/l	98
67) Ethyl Benzene	11.593	91	251204	21.067	ug/l	98
68) m/p-Xylenes	11.703	106	201776	42.237	ug/l	100
69) o-Xylene	12.032	106	93585	20.688	ug/l	98
70) Styrene	12.050	104	159575	20.980	ug/l	100
71) Bromoform	12.209	173	35334	20.232	ug/l #	98
73) Isopropylbenzene	12.331	105	246183	20.769	ug/l	99
74) N-amyl acetate	12.148	43	60740	21.652	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	48738	20.867	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	41563m	25.643	ug/l	
77) Bromobenzene	12.611	156	65139	20.710	ug/l	97
78) n-propylbenzene	12.672	91	298308	21.343	ug/l	100
79) 2-Chlorotoluene	12.758	91	166226	21.082	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	205426	20.949	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	17449	20.086	ug/l	97
82) 4-Chlorotoluene	12.855	91	174144	21.349	ug/l	99
83) tert-Butylbenzene	13.081	119	186379	21.320	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	204947	21.141	ug/l	98
85) sec-Butylbenzene	13.257	105	268684	21.126	ug/l	100
86) p-Isopropyltoluene	13.373	119	228228	20.798	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	126313	21.035	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	124840	21.023	ug/l	99
89) n-Butylbenzene	13.696	91	204445	21.209	ug/l	99
90) Hexachloroethane	13.965	117	42482	21.431	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	109492	20.568	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7991	20.540	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	74142	19.761	ug/l	99
94) Hexachlorobutadiene	15.117	225	47815	20.363	ug/l	99
95) Naphthalene	15.239	128	127587	18.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	64341	19.471	ug/l	99

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

