

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082021\
 Data File : VY005787.D
 Acq On : 20 Aug 2021 12:42
 Operator : SY/MD
 Sample : VY0820SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0820SBS01

Manual Integrations
 APPROVED

SAM
 8/23/2021 11:05:31 AM

Quant Time: Aug 23 01:06:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	201574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	295912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	102788	50.376	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.760%			
35) Dibromofluoromethane	7.722	113	84676	51.110	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.220%			
50) Toluene-d8	10.185	98	345164	49.676	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.483	95	116898	50.805	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43538	26.298	ug/l	99
3) Chloromethane	2.119	50	49764	25.163	ug/l	99
4) Vinyl Chloride	2.259	62	65072	27.471	ug/l	98
5) Bromomethane	2.650	94	43725	28.044	ug/l	99
6) Chloroethane	2.796	64	41595	29.091	ug/l	99
7) Trichlorofluoromethane	3.131	101	83243	26.247	ug/l	98
8) Diethyl Ether	3.534	74	27976	25.256	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.905	101	47211	27.443	ug/l	99
10) Methyl Iodide	4.101	142	51959	24.243	ug/l	98
11) Tert butyl alcohol	4.972	59	23305	115.537	ug/l	99
12) 1,1-Dichloroethene	3.881	96	46388	26.703	ug/l	95
13) Acrolein	3.735	56	10810	88.825	ug/l	98
14) Allyl chloride	4.485	41	80750	26.540	ug/l	100
15) Acrylonitrile	5.173	53	72153	127.099	ug/l	99
16) Acetone	3.954	43	66841	129.929	ug/l	100
17) Carbon Disulfide	4.204	76	138547	25.872	ug/l	99
18) Methyl Acetate	4.485	43	34274	25.474	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	137479	25.546	ug/l	100
20) Methylene Chloride	4.722	84	63290	28.421	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	51163	26.343	ug/l	92
22) Diisopropyl ether	6.125	45	150044	23.904	ug/l	97
23) Vinyl Acetate	6.070	43	487888	116.795	ug/l	98
24) 1,1-Dichloroethane	6.027	63	94479	27.160	ug/l	99
25) 2-Butanone	6.996	43	81881	107.675	ug/l	99
26) 2,2-Dichloropropane	6.984	77	75779	23.843	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	49690	22.495	ug/l	96
28) Bromochloromethane	7.344	49	37119	26.735	ug/l	98
29) Tetrahydrofuran	7.356	42	52695	104.767	ug/l	100
30) Chloroform	7.515	83	83324	23.468	ug/l	99
31) Cyclohexane	7.789	56	78660	22.475	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	77399	23.714	ug/l	99
36) 1,1-Dichloropropene	7.923	75	64431	23.215	ug/l	100
37) Ethyl Acetate	7.082	43	36212	21.537	ug/l	99
38) Carbon Tetrachloride	7.905	117	70225	23.280	ug/l	97
39) Methylcyclohexane	9.185	83	77676	21.998	ug/l	99
40) Benzene	8.167	78	183408	23.076	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	24278m	26.612	ug/l	
42) 1,2-Dichloroethane	8.240	62	60096	23.311	ug/l	99
43) Isopropyl Acetate	8.277	43	68662	21.569	ug/l	100
44) Trichloroethene	8.941	130	49883	22.996	ug/l	99
45) 1,2-Dichloropropane	9.222	63	46696	23.485	ug/l	98
46) Dibromomethane	9.313	93	24461	22.249	ug/l	98
47) Bromodichloromethane	9.502	83	63703	23.151	ug/l	100
48) Methyl methacrylate	9.295	41	31482	21.883	ug/l	98
49) 1,4-Dioxane	9.301	88	6322	413.751	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	183123	109.234	ug/l	99
52) Toluene	10.246	92	116275	22.944	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	68918	22.412	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	76885	23.039	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	35662	22.418	ug/l	96
56) Ethyl methacrylate	10.514	69	52108	21.876	ug/l	98
57) 1,3-Dichloropropane	10.794	76	63056	22.478	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	123273	108.310	ug/l	100
59) 2-Hexanone	10.837	43	127842	107.894	ug/l	100
60) Dibromochloromethane	10.983	129	45122	22.920	ug/l	97
61) 1,2-Dibromoethane	11.093	107	33248	22.064	ug/l	99
64) Tetrachloroethene	10.721	164	50837	24.731	ug/l	99
65) Chlorobenzene	11.520	112	125741	23.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	47175	23.065	ug/l	98
67) Ethyl Benzene	11.593	91	225660	22.900	ug/l	99
68) m/p-Xylenes	11.703	106	178831	46.724	ug/l	99
69) o-Xylene	12.032	106	84252	22.903	ug/l	99
70) Styrene	12.044	104	142538	23.020	ug/l	99
71) Bromoform	12.209	173	29937	22.570	ug/l #	100
73) Isopropylbenzene	12.331	105	225906	22.041	ug/l	100
74) N-amyl acetate	12.142	43	64003	20.745	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	41163	20.881	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	34391m	22.602	ug/l	
77) Bromobenzene	12.611	156	54567	21.670	ug/l	97
78) n-propylbenzene	12.672	91	274187	22.524	ug/l	99
79) 2-Chlorotoluene	12.757	91	151127	22.109	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	190339	22.377	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	15756	20.874	ug/l	98
82) 4-Chlorotoluene	12.855	91	158249	22.375	ug/l	100
83) tert-Butylbenzene	13.075	119	166266	21.784	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	186354	22.204	ug/l	98
85) sec-Butylbenzene	13.251	105	248426	22.566	ug/l	99
86) p-Isopropyltoluene	13.367	119	211303	22.356	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	109930	22.373	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	108949	22.352	ug/l	99
89) n-Butylbenzene	13.696	91	194206	22.680	ug/l	100
90) Hexachloroethane	13.958	117	38481	22.645	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	96394	22.211	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7717	20.650	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	65933	22.116	ug/l	98
94) Hexachlorobutadiene	15.111	225	44037	22.813	ug/l	99
95) Naphthalene	15.239	128	122437	20.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	58276	22.064	ug/l	100

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

