

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092221\
 Data File : VY006105.D
 Acq On : 22 Sep 2021 15:51
 Operator : SY/MD
 Sample : VY0922SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0922SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2021 11:36:01 AM

Quant Time: Sep 22 18:15:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	138651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	210344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	186352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	78709	40.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.740%
35) Dibromofluoromethane	7.722	113	58938	45.112	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.220%
50) Toluene-d8	10.185	98	257779	46.294	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.580%
62) 4-Bromofluorobenzene	12.483	95	84197	44.536	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32775	22.377	ug/l	99
3) Chloromethane	2.119	50	36113	19.828	ug/l	97
4) Vinyl Chloride	2.253	62	42655	20.742	ug/l	100
5) Bromomethane	2.644	94	27906	20.916	ug/l	96
6) Chloroethane	2.796	64	25579	20.741	ug/l	97
7) Trichlorofluoromethane	3.131	101	54838	20.456	ug/l	92
8) Diethyl Ether	3.540	74	16266	18.457	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	29078	21.725	ug/l	99
10) Methyl Iodide	4.095	142	30262	21.358	ug/l	94
11) Tert butyl alcohol	4.942	59	57703	186.330	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	29541	21.339	ug/l	95
13) Acrolein	3.735	56	9508	82.160	ug/l	98
14) Allyl chloride	4.485	41	59227	20.042	ug/l	96
15) Acrylonitrile	5.174	53	54656	108.879	ug/l	99
16) Acetone	3.954	43	53693	101.644	ug/l	99
17) Carbon Disulfide	4.198	76	100266	21.687	ug/l	100
18) Methyl Acetate	4.485	43	27586	20.731	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	77590	17.385	ug/l	98
20) Methylene Chloride	4.722	84	43809	24.181	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	31643	20.384	ug/l	99
22) Diisopropyl ether	6.125	45	103813	18.078	ug/l	97
23) Vinyl Acetate	6.070	43	334902	92.428	ug/l	100
24) 1,1-Dichloroethane	6.021	63	58690	19.949	ug/l	98
25) 2-Butanone	6.996	43	75446	103.624	ug/l	94
26) 2,2-Dichloropropane	6.984	77	56532	20.283	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	35461	20.475	ug/l	99
28) Bromochloromethane	7.338	49	22773	17.621	ug/l	99
29) Tetrahydrofuran	7.356	42	47564	103.944	ug/l	97
30) Chloroform	7.515	83	58013	19.666	ug/l	98
31) Cyclohexane	7.789	56	63134	20.463	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	55912	20.187	ug/l	99
36) 1,1-Dichloropropene	7.923	75	48185	21.224	ug/l	98
37) Ethyl Acetate	7.082	43	32541	20.748	ug/l	98
38) Carbon Tetrachloride	7.905	117	50153	20.292	ug/l	96
39) Methylcyclohexane	9.185	83	59031	20.978	ug/l	99
40) Benzene	8.167	78	131893	20.259	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	16421m	17.927	ug/l	
42) 1,2-Dichloroethane	8.240	62	41650	18.090	ug/l	97
43) Isopropyl Acetate	8.277	43	54448	18.638	ug/l	98
44) Trichloroethene	8.941	130	34799	21.449	ug/l	98
45) 1,2-Dichloropropane	9.222	63	31699	19.682	ug/l	95
46) Dibromomethane	9.307	93	16263	18.656	ug/l	95
47) Bromodichloromethane	9.502	83	42100	18.763	ug/l	99
48) Methyl methacrylate	9.295	41	25783	19.100	ug/l	97
49) 1,4-Dioxane	9.301	88	5740	477.121	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	152670	98.028	ug/l	98
52) Toluene	10.246	92	80452	20.053	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	45813	18.587	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	50531	19.009	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	22992	19.193	ug/l	99
56) Ethyl methacrylate	10.514	69	34720	18.131	ug/l	93
57) 1,3-Dichloropropane	10.795	76	40996	18.568	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	100499	100.248	ug/l	100
59) 2-Hexanone	10.837	43	109979	102.289	ug/l	97
60) Dibromochloromethane	10.984	129	27094	18.345	ug/l	98
61) 1,2-Dibromoethane	11.093	107	22746	20.103	ug/l	100
64) Tetrachloroethene	10.721	164	33848	22.207	ug/l	99
65) Chlorobenzene	11.520	112	81540	20.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	28777	19.363	ug/l	98
67) Ethyl Benzene	11.593	91	155893	20.568	ug/l	99
68) m/p-Xylenes	11.703	106	117808	40.991	ug/l	99
69) o-Xylene	12.032	106	55007	20.264	ug/l	97
70) Styrene	12.044	104	91714	19.723	ug/l	99
71) Bromoform	12.209	173	18323	19.690	ug/l #	99
73) Isopropylbenzene	12.331	105	151065	21.166	ug/l	98
74) N-amyl acetate	12.142	43	45469	18.448	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	27646	20.819	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	20805m	21.409	ug/l	
77) Bromobenzene	12.611	156	33389	20.049	ug/l	100
78) n-propylbenzene	12.672	91	187028	21.179	ug/l	100
79) 2-Chlorotoluene	12.758	91	102400	21.327	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	125445	21.192	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11322	21.420	ug/l	96
82) 4-Chlorotoluene	12.855	91	106329	21.425	ug/l	98
83) tert-Butylbenzene	13.075	119	108594	21.450	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	121652	20.715	ug/l	99
85) sec-Butylbenzene	13.251	105	163589	21.585	ug/l	99
86) p-Isopropyltoluene	13.367	119	136836	21.149	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	66720	20.773	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	66533	20.652	ug/l	99
89) n-Butylbenzene	13.696	91	131620	21.754	ug/l	99
90) Hexachloroethane	13.959	117	24735	21.243	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	57963	20.558	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6224	23.625	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	37213	20.324	ug/l	99
94) Hexachlorobutadiene	15.111	225	26844	22.660	ug/l	99
95) Naphthalene	15.239	128	77697	21.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	32330	20.376	ug/l	99

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

