

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
 Data File : VY006019.D
 Acq On : 15 Sep 2021 11:44
 Operator : SY/MD
 Sample : VY0915SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0915SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2021 7:23:33 PM

Quant Time: Sep 16 01:21:49 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	137059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	208443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	194457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	98484	51.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.460%	
35) Dibromofluoromethane	7.722	113	67106	51.832	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.660%	
50) Toluene-d8	10.185	98	285836	51.801	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.600%	
62) 4-Bromofluorobenzene	12.483	95	95625	51.042	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	31731	21.916	ug/l	96
3) Chloromethane	2.119	50	38729	21.511	ug/l	98
4) Vinyl Chloride	2.259	62	39035	19.202	ug/l	100
5) Bromomethane	2.643	94	28029	21.253	ug/l	100
6) Chloroethane	2.796	64	23644	19.395	ug/l	98
7) Trichlorofluoromethane	3.131	101	51607	19.474	ug/l	91
8) Diethyl Ether	3.533	74	17456	20.037	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	26173	19.782	ug/l	98
10) Methyl Iodide	4.100	142	24235	17.303	ug/l	98
11) Tert butyl alcohol	4.942	59	49870	154.250	ug/l #	84
12) 1,1-Dichloroethene	3.875	96	25845	18.886	ug/l	98
13) Acrolein	3.735	56	10904	95.318	ug/l	99
14) Allyl chloride	4.490	41	55583	19.027	ug/l	99
15) Acrylonitrile	5.173	53	49945	100.650	ug/l	99
16) Acetone	3.948	43	52133	99.837	ug/l	94
17) Carbon Disulfide	4.198	76	89619	19.609	ug/l	99
18) Methyl Acetate	4.484	43	25158	19.126	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	86326	19.567	ug/l	97
20) Methylene Chloride	4.722	84	41616	23.037	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	29356	19.130	ug/l	99
22) Diisopropyl ether	6.124	45	110962	19.548	ug/l	99
23) Vinyl Acetate	6.069	43	351023	98.002	ug/l	99
24) 1,1-Dichloroethane	6.027	63	56000	19.255	ug/l	99
25) 2-Butanone	6.996	43	70760	98.317	ug/l	95
26) 2,2-Dichloropropane	6.990	77	53690	19.488	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	32291	18.861	ug/l	97
28) Bromochloromethane	7.338	49	23538	18.424	ug/l	99
29) Tetrahydrofuran	7.350	42	45033	99.556	ug/l	98
30) Chloroform	7.508	83	57153	19.600	ug/l	95
31) Cyclohexane	7.795	56	57386	18.816	ug/l	93
32) 1,1,1-Trichloroethane	7.709	97	52773	19.275	ug/l	99
36) 1,1-Dichloropropene	7.923	75	43120	19.166	ug/l	98
37) Ethyl Acetate	7.081	43	32706	21.044	ug/l	99
38) Carbon Tetrachloride	7.904	117	48166	19.666	ug/l	98
39) Methylcyclohexane	9.185	83	53959	19.351	ug/l	97
40) Benzene	8.167	78	126984	19.682	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.331	41	19098m	21.039	ug/l	
42) 1,2-Dichloroethane	8.240	62	45643	20.005	ug/l	99
43) Isopropyl Acetate	8.276	43	57403	19.829	ug/l	99
44) Trichloroethene	8.941	130	30921	19.233	ug/l	85
45) 1,2-Dichloropropane	9.221	63	30307	18.989	ug/l	94
46) Dibromomethane	9.307	93	16996	19.674	ug/l	99
47) Bromodichloromethane	9.496	83	43786	19.692	ug/l	92
48) Methyl methacrylate	9.294	41	26073	19.491	ug/l	99
49) 1,4-Dioxane	9.294	88	4454	373.603	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	153143	99.229	ug/l	100
52) Toluene	10.246	92	76195	19.165	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	47671	19.517	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	51118	19.405	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	23448	19.753	ug/l	99
56) Ethyl methacrylate	10.514	69	37509	19.766	ug/l	100
57) 1,3-Dichloropropane	10.794	76	43631	19.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	102910	103.589	ug/l	99
59) 2-Hexanone	10.837	43	107415	100.816	ug/l	98
60) Dibromochloromethane	10.989	129	29100	19.883	ug/l	99
61) 1,2-Dibromoethane	11.093	107	22420	19.996	ug/l	98
64) Tetrachloroethene	10.721	164	31407	19.747	ug/l	97
65) Chlorobenzene	11.514	112	80573	19.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	29793	19.211	ug/l	99
67) Ethyl Benzene	11.593	91	153069	19.354	ug/l	99
68) m/p-Xylenes	11.703	106	115143	38.394	ug/l	99
69) o-Xylene	12.032	106	54974	19.408	ug/l	97
70) Styrene	12.044	104	93397	19.248	ug/l	99
71) Bromoform	12.209	173	19470	20.051	ug/l #	98
73) Isopropylbenzene	12.331	105	146426	18.714	ug/l	100
74) N-amyl acetate	12.142	43	51235	18.962	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.580	83	27712	19.035	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	19114m	17.941	ug/l	
77) Bromobenzene	12.611	156	33760	18.491	ug/l	98
78) n-propylbenzene	12.672	91	183189	18.922	ug/l	100
79) 2-Chlorotoluene	12.757	91	99488	18.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	123839	19.083	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	11110	19.173	ug/l	99
82) 4-Chlorotoluene	12.855	91	104321	19.174	ug/l	98
83) tert-Butylbenzene	13.074	119	106821	19.246	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	122267	18.991	ug/l	98
85) sec-Butylbenzene	13.251	105	158940	19.130	ug/l	99
86) p-Isopropyltoluene	13.367	119	135031	19.037	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	68659	19.499	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	66749	18.899	ug/l	98
89) n-Butylbenzene	13.696	91	127607	19.238	ug/l	100
90) Hexachloroethane	13.958	117	24217	18.972	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	60756	19.656	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5547	19.206	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	38783	19.321	ug/l	100
94) Hexachlorobutadiene	15.111	225	24453	18.829	ug/l	96
95) Naphthalene	15.232	128	76144	19.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	33771	19.415	ug/l	99

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

