

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091421\
 Data File : VY005999.D
 Acq On : 14 Sep 2021 11:04
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/15/2021 5:41:04 PM

Quant Time: Sep 15 04:27:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 04:26:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	128860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	200957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	185147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	35884	20.072	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.140%#
35) Dibromofluoromethane	7.722	113	24754	19.946	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	39.900%#
50) Toluene-d8	10.185	98	104918	19.851	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	39.700%#
62) 4-Bromofluorobenzene	12.483	95	35609	19.925	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	39.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28095	20.747	ug/l	96
3) Chloromethane	2.119	50	33308	19.690	ug/l	93
4) Vinyl Chloride	2.259	62	38467	20.082	ug/l	100
5) Bromomethane	2.644	94	26286	20.615	ug/l	95
6) Chloroethane	2.796	64	23843	20.447	ug/l	98
7) Trichlorofluoromethane	3.125	101	51777	20.399	ug/l	99
8) Diethyl Ether	3.534	74	16203	19.191	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	25196	20.339	ug/l	100
10) Methyl Iodide	4.107	142	25466	19.240	ug/l	99
11) Tert butyl alcohol	4.942	59	30781	95.464	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	26132	20.374	ug/l	94
13) Acrolein	3.729	56	10936	100.931	ug/l	96
14) Allyl chloride	4.485	41	55518	20.137	ug/l	98
15) Acrylonitrile	5.174	53	44719	94.762	ug/l	99
16) Acetone	3.954	43	43630	90.842	ug/l	92
17) Carbon Disulfide	4.198	76	89243	20.694	ug/l	95
18) Methyl Acetate	4.479	43	22625	18.485	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	81811	19.586	ug/l	98
20) Methylene Chloride	4.728	84	33938	19.121	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	28869	19.932	ug/l	97
22) Diisopropyl ether	6.131	45	106593	19.932	ug/l	93
23) Vinyl Acetate	6.070	43	330438	97.673	ug/l	99
24) 1,1-Dichloroethane	6.027	63	54739	20.043	ug/l	98
25) 2-Butanone	6.996	43	60093	89.951	ug/l	96
26) 2,2-Dichloropropane	6.990	77	51433	19.788	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	32052	19.765	ug/l	97
28) Bromochloromethane	7.338	49	22491	18.868	ug/l	100
29) Tetrahydrofuran	7.356	42	39438	92.855	ug/l	99
30) Chloroform	7.515	83	54682	19.890	ug/l	100
31) Cyclohexane	7.789	56	57631	20.043	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	52383	20.351	ug/l	99
36) 1,1-Dichloropropene	7.923	75	43216	19.948	ug/l	99
37) Ethyl Acetate	7.082	43	28503	18.856	ug/l	98
38) Carbon Tetrachloride	7.905	117	48101	20.135	ug/l	97
39) Methylcyclohexane	9.185	83	52837	19.618	ug/l	99
40) Benzene	8.167	78	122634	19.750	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	14686	15.573	ug/l #	51
42) 1,2-Dichloroethane	8.246	62	42995	19.370	ug/l	97
43) Isopropyl Acetate	8.277	43	51882	18.375	ug/l	100
44) Trichloroethene	8.941	130	31600	20.245	ug/l	98
45) 1,2-Dichloropropane	9.222	63	30506	19.782	ug/l	99
46) Dibromomethane	9.307	93	15751	19.010	ug/l	98
47) Bromodichloromethane	9.502	83	41847	19.275	ug/l	100
48) Methyl methacrylate	9.295	41	24189	18.483	ug/l	98
49) 1,4-Dioxane	9.307	88	3952	379.869	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	136112	91.188	ug/l	99
52) Toluene	10.246	92	75354	19.587	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	45431	19.077	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	49928	19.556	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	21784	18.798	ug/l	96
56) Ethyl methacrylate	10.514	69	33644	18.291	ug/l	99
57) 1,3-Dichloropropane	10.794	76	40271	18.988	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	93516	97.938	ug/l	99
59) 2-Hexanone	10.837	43	92039	89.095	ug/l	100
60) Dibromochloromethane	10.990	129	27660	19.301	ug/l	100
61) 1,2-Dibromoethane	11.093	107	20299	18.730	ug/l	99
64) Tetrachloroethene	10.721	164	30196	19.733	ug/l	96
65) Chlorobenzene	11.520	112	79210	20.004	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	28829	19.529	ug/l	99
67) Ethyl Benzene	11.593	91	148758	19.735	ug/l	99
68) m/p-Xylenes	11.703	106	112732	39.570	ug/l	100
69) o-Xylene	12.032	106	53915	20.018	ug/l	97
70) Styrene	12.044	104	90900	19.635	ug/l	100
71) Bromoform	12.209	173	17325	18.597	ug/l #	98
73) Isopropylbenzene	12.331	105	140594	19.300	ug/l	100
74) N-amyl acetate	12.142	43	46336	18.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	25519	18.627	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	17708m	20.876	ug/l	
77) Bromobenzene	12.611	156	32947	19.240	ug/l	99
78) n-propylbenzene	12.672	91	175552	19.505	ug/l	100
79) 2-Chlorotoluene	12.758	91	98902	19.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	121254	19.567	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9875	18.080	ug/l	97
82) 4-Chlorotoluene	12.855	91	99654	19.278	ug/l	99
83) tert-Butylbenzene	13.075	119	102883	19.524	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	120116	19.613	ug/l	99
85) sec-Butylbenzene	13.251	105	155976	19.643	ug/l	100
86) p-Isopropyltoluene	13.367	119	132462	19.685	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	64858	19.232	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	65642	19.548	ug/l	99
89) n-Butylbenzene	13.696	91	123333	19.409	ug/l	99
90) Hexachloroethane	13.959	117	23698	19.307	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	57712	19.325	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5045	17.952	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	36671	18.890	ug/l	99
94) Hexachlorobutadiene	15.111	225	24638	19.822	ug/l	99
95) Naphthalene	15.233	128	68562	17.567	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	31003	18.266	ug/l	98

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

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