

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050521\
 Data File : VU043561.D
 Acq On : 05 May 2021 19:45
 Operator : SY/MD
 Sample : VU0505WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0505WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/6/2021 5:39:41 PM

Quant Time: May 06 06:32:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	92138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	154095	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	145938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	75902	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	91073	58.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.60%	
35) Dibromofluoromethane	5.298	113	60045	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
50) Toluene-d8	7.906	98	207347	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	10.639	95	76993	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	19146	20.14	ug/l	98
3) Chloromethane	1.523	50	25999	25.06	ug/l	98
4) Vinyl Chloride	1.607	62	22060	21.28	ug/l	96
5) Bromomethane	1.845	94	13530	23.95	ug/l	99
6) Chloroethane	1.928	64	14421	20.14	ug/l	96
7) Trichlorofluoromethane	2.137	101	33308	18.91	ug/l	99
8) Diethyl Ether	2.379	74	12457	22.09	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.584	101	19211	21.20	ug/l	93
10) Methyl Iodide	2.726	142	22271	18.65	ug/l	99
11) Tert butyl alcohol	3.182	59	42442	106.32	ug/l #	78
12) 1,1-Dichloroethene	2.581	96	18175	21.07	ug/l	98
13) Acrolein	2.488	56	21553	93.42	ug/l	96
14) Allyl chloride	2.928	41	45891	21.92	ug/l	97
15) Acrylonitrile	3.317	53	93050	108.36	ug/l	98
16) Acetone	2.629	43	96266	105.43	ug/l	100
17) Carbon Disulfide	2.797	76	48536	18.30	ug/l	100
18) Methyl Acetate	2.951	43	52300	27.01	ug/l	96
19) Methyl tert-butyl Ether	3.372	73	73855	21.67	ug/l	99
20) Methylene Chloride	3.051	84	27563	25.06	ug/l	96
21) trans-1,2-Dichloroethene	3.359	96	19662	19.51	ug/l	90
22) Diisopropyl ether	4.002	45	91660	22.89	ug/l	85
23) Vinyl Acetate	3.964	43	407520	105.17	ug/l	98
24) 1,1-Dichloroethane	3.877	63	46087	22.76	ug/l	99
25) 2-Butanone	4.706	43	148020	105.20	ug/l	99
26) 2,2-Dichloropropane	4.671	77	33719	18.99	ug/l	99
27) cis-1,2-Dichloroethene	4.674	96	23462	20.46	ug/l	92
28) Bromochloromethane	4.980	49	24577	23.80	ug/l	87
29) Tetrahydrofuran	5.057	42	93854	105.93	ug/l	93
30) Chloroform	5.099	83	45514	21.23	ug/l	96
31) Cyclohexane	5.395	56	37868	19.82	ug/l	94
32) 1,1,1-Trichloroethane	5.324	97	38132	20.12	ug/l	97
36) 1,1-Dichloropropene	5.533	75	29627	18.12	ug/l	99
37) Ethyl Acetate	4.809	43	55160	19.73	ug/l	97
38) Carbon Tetrachloride	5.533	117	30441	17.37	ug/l	94
39) Methylcyclohexane	6.771	83	29552	16.44	ug/l	92
40) Benzene	5.784	78	92022	19.70	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.980	41	29321	19.95	ug/l	98
42) 1,2-Dichloroethane	5.803	62	41947	20.24	ug/l	99
43) Isopropyl Acetate	5.919	43	79283	19.89	ug/l	96
44) Trichloroethene	6.549	130	21824	18.42	ug/l	92
45) 1,2-Dichloropropane	6.800	63	27225	20.92	ug/l	96
46) Dibromomethane	6.925	93	18401	19.99	ug/l	91
47) Bromodichloromethane	7.111	83	36061	19.85	ug/l	98
48) Methyl methacrylate	6.967	41	38289	19.13	ug/l	97
49) 1,4-Dioxane	6.970	88	13728	342.35	ug/l #	92
51) 4-Methyl-2-Pentanone	7.796	43	282087	95.64	ug/l	97
52) Toluene	7.976	92	53846	18.59	ug/l	96
53) t-1,3-Dichloropropene	8.218	75	37097	18.39	ug/l	96
54) cis-1,3-Dichloropropene	7.616	75	38874	18.98	ug/l	95
55) 1,1,2-Trichloroethane	8.407	97	24953	20.09	ug/l	96
56) Ethyl methacrylate	8.340	69	35634	17.51	ug/l	93
57) 1,3-Dichloropropane	8.581	76	42633	19.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.472	63	49673	64.31	ug/l	96
59) 2-Hexanone	8.690	43	221075	91.03	ug/l	97
60) Dibromochloromethane	8.816	129	26323	18.32	ug/l	100
61) 1,2-Dibromoethane	8.931	107	26040	18.58	ug/l	99
64) Tetrachloroethene	8.558	164	21919	20.70	ug/l	96
65) Chlorobenzene	9.452	112	56981	18.21	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.542	131	22320	18.66	ug/l	99
67) Ethyl Benzene	9.578	91	99550	17.62	ug/l	99
68) m/p-Xylenes	9.700	106	73698	35.27	ug/l	99
69) o-Xylene	10.108	106	34506	16.92	ug/l	92
70) Styrene	10.121	104	60199	17.53	ug/l	99
71) Bromoform	10.298	173	20692	16.79	ug/l #	99
73) Isopropylbenzene	10.491	105	97296	19.10	ug/l	97
74) N-amyl acetate	10.327	43	58824	17.97	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.790	83	46339	20.89	ug/l	99
76) 1,2,3-Trichloropropane	10.832	75	43412m	19.57	ug/l	
77) Bromobenzene	10.790	156	25224	17.77	ug/l	90
78) n-propylbenzene	10.912	91	117274	19.23	ug/l	97
79) 2-Chlorotoluene	10.992	91	72565	19.58	ug/l	97
80) 1,3,5-Trimethylbenzene	11.095	105	82586	18.36	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.552	75	12621	16.72	ug/l	91
82) 4-Chlorotoluene	11.102	91	86410	19.41	ug/l	97
83) tert-Butylbenzene	11.426	119	77273	17.48	ug/l	98
84) 1,2,4-Trimethylbenzene	11.475	105	83268	18.02	ug/l	98
85) sec-Butylbenzene	11.652	105	94957	18.33	ug/l	97
86) p-Isopropyltoluene	11.799	119	82941	17.39	ug/l	99
87) 1,3-Dichlorobenzene	11.751	146	46594	18.11	ug/l	99
88) 1,4-Dichlorobenzene	11.844	146	47078	17.54	ug/l	98
89) n-Butylbenzene	12.214	91	76473	17.12	ug/l	96
90) Hexachloroethane	12.484	117	13546	15.15	ug/l	86
91) 1,2-Dichlorobenzene	12.221	146	46640	17.74	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	13.002	75	10870	17.31	ug/l	87
93) 1,2,4-Trichlorobenzene	13.848	180	29320	17.87	ug/l	99
94) Hexachlorobutadiene	14.031	225	14338	16.12	ug/l	97
95) Naphthalene	14.092	128	94559	19.02	ug/l	99
96) 1,2,3-Trichlorobenzene	14.336	180	31208	19.44	ug/l	97

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

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