

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027163.D
 Acq On : 26 Sep 2018 09:19
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:17 PM

Quant Time: Sep 27 01:16:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	78314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	133554	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69557	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	78169	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	4.88	113	54773	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	7.57	98	205714	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
62) 4-Bromofluorobenzene	10.31	95	76271	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	44577	43.596	ug/l	99
3) Chloromethane	1.33	50	75728	42.957	ug/l	99
4) Vinyl Chloride	1.40	62	72310	43.942	ug/l	99
5) Bromomethane	1.61	94	53766	57.375	ug/l	97
6) Chloroethane	1.69	64	46743	44.457	ug/l	100
7) Trichlorofluoromethane	1.88	101	82720	44.260	ug/l	99
8) Diethyl Ether	2.10	74	42617	47.373	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	52464	45.654	ug/l	98
10) Methyl Iodide	2.41	142	48446	33.991	ug/l	98
11) Tert butyl alcohol	2.83	59	96467	267.017	ug/l	99
12) 1,1-Dichloroethene	2.28	96	47417	43.838	ug/l	93
13) Acrolein	2.19	56	75646	388.423	ug/l	98
14) Allyl chloride	2.59	41	120377	54.871	ug/l	98
15) Acrylonitrile	2.94	53	245313	269.411	ug/l	99
16) Acetone	2.32	43	260559	315.554	ug/l	100
17) Carbon Disulfide	2.47	76	146175	41.485	ug/l	100
18) Methyl Acetate	2.61	43	130847	58.324	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	217926	54.828	ug/l	100
20) Methylene Chloride	2.70	84	65041	46.076	ug/l	92
21) trans-1,2-Dichloroethene	2.98	96	54384	47.093	ug/l	97
22) Diisopropyl ether	3.57	45	269742	57.485	ug/l	97
23) Vinyl Acetate	3.52	43	1162036	290.518	ug/l	99
24) 1,1-Dichloroethane	3.44	63	132559	51.293	ug/l	98
25) 2-Butanone	4.26	43	368944	278.529	ug/l	98
26) 2,2-Dichloropropane	4.22	77	104790	51.992	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	65395	50.143	ug/l	95
28) Bromochloromethane	4.55	49	74262	59.611	ug/l	94
29) Tetrahydrofuran	4.64	42	225840	281.840	ug/l	97
30) Chloroform	4.67	83	119719	49.906	ug/l	99
31) Cyclohexane	5.00	56	114476	48.714	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	95824	50.030	ug/l	99
36) 1,1-Dichloropropene	5.13	75	84705	47.522	ug/l	99
37) Ethyl Acetate	4.38	43	129521	53.677	ug/l	98
38) Carbon Tetrachloride	5.13	117	79283	46.741	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	100315	51.789	ug/l	97
40) Benzene	5.39	78	262671	48.476	ug/l	99
41) Methacrylonitrile	4.54	41	73838	58.922	ug/l	96
42) 1,2-Dichloroethane	5.40	62	105964	51.760	ug/l	98
43) Isopropyl Acetate	5.55	43	205287	58.337	ug/l	98
44) Trichloroethene	6.19	130	55101	47.766	ug/l	97
45) 1,2-Dichloropropane	6.43	63	80234	51.967	ug/l	99
46) Dibromomethane	6.56	93	46617	49.994	ug/l	97
47) Bromodichloromethane	6.76	83	95970	50.900	ug/l	96
48) Methyl methacrylate	6.62	41	101410	52.888	ug/l	98
49) 1,4-Dioxane	6.61	88	36935	970.971	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	674685	285.071	ug/l	100
52) Toluene	7.64	92	158224	50.943	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	111747	55.162	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	119065	53.455	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	67158	51.030	ug/l	99
56) Ethyl methacrylate	8.02	69	114597	50.177	ug/l	96
57) 1,3-Dichloropropane	8.24	76	127984	52.286	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	328452	253.383	ug/l	98
59) 2-Hexanone	8.36	43	527193	284.566	ug/l	98
60) Dibromochloromethane	8.48	129	66660	51.638	ug/l	99
61) 1,2-Dibromoethane	8.59	107	68605	50.102	ug/l	99
64) Tetrachloroethene	8.23	164	46181	47.002	ug/l	99
65) Chlorobenzene	9.12	112	163874	48.471	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	59322	50.943	ug/l	99
67) Ethyl Benzene	9.25	91	299178	53.814	ug/l	99
68) m/p-Xylenes	9.38	106	221003	98.186	ug/l	98
69) o-Xylene	9.78	106	107854	54.754	ug/l	98
70) Styrene	9.79	104	180676	49.156	ug/l	99
71) Bromoform	9.96	173	48778	54.167	ug/l #	99
73) Isopropylbenzene	10.17	105	292425	55.267	ug/l	100
74) N-amyl acetate	10.02	43	181268	59.185	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	121332	49.875	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	109127m	51.643	ug/l	
77) Bromobenzene	10.45	156	65589	50.727	ug/l	94
78) n-propylbenzene	10.59	91	354853	56.680	ug/l	99
79) 2-Chlorotoluene	10.66	91	210517	53.533	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	245277	56.157	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	33545m	50.802	ug/l	
82) 4-Chlorotoluene	10.77	91	242062	54.897	ug/l	98
83) tert-Butylbenzene	11.10	119	236704	54.816	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	252244	56.748	ug/l	98
85) sec-Butylbenzene	11.32	105	297219	56.386	ug/l	100
86) p-Isopropyltoluene	11.48	119	253370	51.203	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	121801	50.622	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	124303	47.401	ug/l	98
89) n-Butylbenzene	11.89	91	233601	48.782	ug/l	99
90) Hexachloroethane	12.15	117	47624	49.683	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	124340	48.649	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26728	53.856	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	77400	52.551	ug/l	98
94) Hexachlorobutadiene	13.69	225	39174	50.267	ug/l	97
95) Naphthalene	13.74	128	282927	49.160	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	83668	52.972	ug/l	99

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

