

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028454.D
 Acq On : 03 Dec 2018 20:11
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 11:18:37 AM

Quant Time: Dec 04 07:46:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	281281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	514363	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	491011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	245831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	232327	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	4.88	113	167472	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	7.57	98	672098	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	10.30	95	255988	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	176768	46.847	ug/l	99
3) Chloromethane	1.33	50	316882	43.326	ug/l	98
4) Vinyl Chloride	1.40	62	243884	47.659	ug/l	100
5) Bromomethane	1.62	94	91421	46.191	ug/l	96
6) Chloroethane	1.69	64	144105	48.939	ug/l	98
7) Trichlorofluoromethane	1.88	101	256392	48.235	ug/l	100
8) Diethyl Ether	2.10	74	121556	49.194	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	156247	50.460	ug/l	97
10) Methyl Iodide	2.41	142	108693	37.224	ug/l	97
11) Tert butyl alcohol	2.82	59	255572	239.308	ug/l	98
12) 1,1-Dichloroethene	2.28	96	154345	51.364	ug/l	90
13) Acrolein	2.19	56	200242	210.906	ug/l	99
14) Allyl chloride	2.59	41	347283	44.234	ug/l	99
15) Acrylonitrile	2.94	53	708899	250.940	ug/l	100
16) Acetone	2.32	43	601137	209.043	ug/l	98
17) Carbon Disulfide	2.48	76	516475	44.779	ug/l	99
18) Methyl Acetate	2.61	43	393418	49.137	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	610391	49.547	ug/l	98
20) Methylene Chloride	2.70	84	198801	49.012	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	170811	49.014	ug/l	96
22) Diisopropyl ether	3.57	45	741530	47.974	ug/l	99
23) Vinyl Acetate	3.52	43	3094305	240.839	ug/l	99
24) 1,1-Dichloroethane	3.45	63	374951	49.201	ug/l	99
25) 2-Butanone	4.26	43	980846	237.995	ug/l	98
26) 2,2-Dichloropropane	4.23	77	280986	46.426	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	203612	49.403	ug/l	95
28) Bromochloromethane	4.55	49	180530	47.376	ug/l	95
29) Tetrahydrofuran	4.64	42	657799	245.832	ug/l	97
30) Chloroform	4.67	83	337495	47.979	ug/l	98
31) Cyclohexane	5.00	56	363101	46.386	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	273961	48.537	ug/l	99
36) 1,1-Dichloropropene	5.13	75	262633	46.660	ug/l	99
37) Ethyl Acetate	4.38	43	369131	48.124	ug/l	99
38) Carbon Tetrachloride	5.13	117	214162	46.335	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	314467	47.387	ug/l	98
40) Benzene	5.39	78	797995	47.868	ug/l	99
41) Methacrylonitrile	4.54	41	208842	49.027	ug/l	97
42) 1,2-Dichloroethane	5.40	62	281863	46.934	ug/l	99
43) Isopropyl Acetate	5.55	43	585442	48.164	ug/l	98
44) Trichloroethene	6.19	130	175266	49.048	ug/l	99
45) 1,2-Dichloropropane	6.43	63	228465	46.799	ug/l	98
46) Dibromomethane	6.56	93	136266	48.595	ug/l	98
47) Bromodichloromethane	6.76	83	261464	46.878	ug/l	99
48) Methyl methacrylate	6.62	41	296133	46.770	ug/l	98
49) 1,4-Dioxane	6.61	88	93995	929.275	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1859117	239.476	ug/l	98
52) Toluene	7.64	92	467256	48.674	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	318281	47.722	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	336943	47.157	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	191330	47.889	ug/l	99
56) Ethyl methacrylate	8.02	69	335483	49.359	ug/l	98
57) 1,3-Dichloropropane	8.24	76	350969	47.903	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	886032	242.806	ug/l	98
59) 2-Hexanone	8.36	43	1433939	238.456	ug/l	98
60) Dibromochloromethane	8.48	129	183649	48.332	ug/l	99
61) 1,2-Dibromoethane	8.58	107	202640	49.522	ug/l	96
64) Tetrachloroethene	8.23	164	150099	46.473	ug/l	96
65) Chlorobenzene	9.12	112	495489	48.599	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	164065	46.946	ug/l	99
67) Ethyl Benzene	9.25	91	916525	47.730	ug/l	98
68) m/p-Xylenes	9.37	106	672483	97.298	ug/l	98
69) o-Xylene	9.78	106	329440	47.948	ug/l	97
70) Styrene	9.79	104	540593	48.785	ug/l	100
71) Bromoform	9.96	173	135385	46.090	ug/l #	97
73) Isopropylbenzene	10.16	105	878555	45.950	ug/l	100
74) N-amyl acetate	10.01	43	518494	43.283	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	348852	44.369	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	309742m	45.436	ug/l	
77) Bromobenzene	10.45	156	205499	45.614	ug/l	94
78) n-propylbenzene	10.58	91	1089560	46.194	ug/l	99
79) 2-Chlorotoluene	10.66	91	628170	45.178	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	740787	45.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	109325m	42.570	ug/l	
82) 4-Chlorotoluene	10.77	91	732517	45.725	ug/l	99
83) tert-Butylbenzene	11.10	119	695996	46.339	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	750857	46.010	ug/l	98
85) sec-Butylbenzene	11.32	105	907805	46.535	ug/l	100
86) p-Isopropyltoluene	11.48	119	760590	47.417	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	380713	46.333	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	386258	46.709	ug/l	99
89) n-Butylbenzene	11.89	91	782515	49.429	ug/l	99
90) Hexachloroethane	12.14	117	113140	45.179	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	378681	46.191	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	75901	43.400	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	273078	50.889	ug/l	98
94) Hexachlorobutadiene	13.69	225	120803	47.675	ug/l	97
95) Naphthalene	13.74	128	951276	46.206	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	271880	50.095	ug/l	99

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

