

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111318\
 Data File : VU028108.D
 Acq On : 13 Nov 2018 21:43
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 9:34:41 AM

Quant Time: Nov 14 08:13:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	208601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	359803	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	333228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	163727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	162516	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
35) Dibromofluoromethane	4.88	113	123473	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
50) Toluene-d8	7.57	98	482089	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
62) 4-Bromofluorobenzene	10.31	95	180095	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	104444	39.403	ug/l	99
3) Chloromethane	1.33	50	156669	48.872	ug/l	98
4) Vinyl Chloride	1.40	62	163132	51.272	ug/l	100
5) Bromomethane	1.61	94	82175	60.300	ug/l	96
6) Chloroethane	1.69	64	99435	54.231	ug/l	100
7) Trichlorofluoromethane	1.88	101	188056	51.149	ug/l	95
8) Diethyl Ether	2.11	74	90134	57.255	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	115605	52.930	ug/l	98
10) Methyl Iodide	2.41	142	136623	65.300	ug/l	98
11) Tert butyl alcohol	2.83	59	213706	260.287	ug/l	100
12) 1,1-Dichloroethene	2.28	96	112286	51.360	ug/l	94
13) Acrolein	2.20	56	85428	283.781	ug/l	98
14) Allyl chloride	2.59	41	241940	45.279	ug/l	96
15) Acrylonitrile	2.94	53	516028	255.864	ug/l	99
16) Acetone	2.32	43	444796	231.158	ug/l	99
17) Carbon Disulfide	2.48	76	326442	45.682	ug/l	99
18) Methyl Acetate	2.62	43	270100	51.028	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	457409	51.881	ug/l	99
20) Methylene Chloride	2.70	84	142304	50.651	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	122163	48.419	ug/l	99
22) Diisopropyl ether	3.58	45	542298	49.160	ug/l	99
23) Vinyl Acetate	3.53	43	2329398	245.699	ug/l	98
24) 1,1-Dichloroethane	3.45	63	270424	49.215	ug/l	99
25) 2-Butanone	4.26	43	741711	242.291	ug/l	97
26) 2,2-Dichloropropane	4.23	77	200611	48.650	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	147766	52.227	ug/l	98
28) Bromochloromethane	4.55	49	132955	51.614	ug/l	96
29) Tetrahydrofuran	4.64	42	475621	232.679	ug/l	96
30) Chloroform	4.67	83	248652	49.354	ug/l	97
31) Cyclohexane	5.00	56	253375	46.885	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	203606	50.769	ug/l	99
36) 1,1-Dichloropropene	5.14	75	185019	49.098	ug/l	99
37) Ethyl Acetate	4.38	43	263870	47.790	ug/l	98
38) Carbon Tetrachloride	5.14	117	163533	48.969	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	222436	48.940	ug/l	97
40) Benzene	5.39	78	583253	50.624	ug/l	99
41) Methacrylonitrile	4.54	41	149056	50.585	ug/l	96
42) 1,2-Dichloroethane	5.40	62	205684	50.225	ug/l	99
43) Isopropyl Acetate	5.55	43	427190	49.383	ug/l	99
44) Trichloroethene	6.19	130	128115	51.732	ug/l	98
45) 1,2-Dichloropropane	6.43	63	167499	50.411	ug/l	97
46) Dibromomethane	6.56	93	100798	52.777	ug/l	96
47) Bromodichloromethane	6.76	83	192138	52.203	ug/l	99
48) Methyl methacrylate	6.62	41	217292	51.259	ug/l	97
49) 1,4-Dioxane	6.61	88	84216	1217.676	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	1419616	245.733	ug/l	98
52) Toluene	7.64	92	344406	50.848	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	223124	48.910	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	241353	53.193	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	145866	52.933	ug/l	97
56) Ethyl methacrylate	8.02	69	256145	52.709	ug/l	98
57) 1,3-Dichloropropane	8.24	76	256029	51.005	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	688255	264.441	ug/l	98
59) 2-Hexanone	8.36	43	1108069	247.991	ug/l	97
60) Dibromochloromethane	8.48	129	140558	53.903	ug/l	99
61) 1,2-Dibromoethane	8.59	107	152150	51.962	ug/l	99
64) Tetrachloroethene	8.23	164	111313	51.516	ug/l	99
65) Chlorobenzene	9.12	112	360810	51.250	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	128113	53.276	ug/l	98
67) Ethyl Benzene	9.25	91	678601	52.366	ug/l	99
68) m/p-Xylenes	9.38	106	492722	104.791	ug/l	98
69) o-Xylene	9.78	106	248749	52.391	ug/l	99
70) Styrene	9.79	104	403589	53.199	ug/l	99
71) Bromoform	9.96	173	107432	53.308	ug/l #	98
73) Isopropylbenzene	10.17	105	659878	52.025	ug/l	100
74) N-amyl acetate	10.01	43	391636	51.063	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	262065	51.222	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	234231m	52.302	ug/l	
77) Bromobenzene	10.45	156	155115	53.333	ug/l	98
78) n-propylbenzene	10.59	91	793792	52.284	ug/l	100
79) 2-Chlorotoluene	10.66	91	463491	50.931	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	548873	52.238	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	73489m	41.019	ug/l	
82) 4-Chlorotoluene	10.77	91	527730	51.080	ug/l	99
83) tert-Butylbenzene	11.10	119	534132	50.850	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	561828	53.102	ug/l	99
85) sec-Butylbenzene	11.32	105	670301	52.471	ug/l	100
86) p-Isopropyltoluene	11.48	119	562111	52.636	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	279993	52.115	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	280375	50.915	ug/l	99
89) n-Butylbenzene	11.89	91	536607	52.871	ug/l	100
90) Hexachloroethane	12.15	117	97413	51.235	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	283518	52.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	57523	53.358	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	185739	49.032	ug/l	99
94) Hexachlorobutadiene	13.69	225	86580	50.420	ug/l	98
95) Naphthalene	13.74	128	676361	50.363	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	190254	52.477	ug/l	98

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

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