

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025202.D
 Acq On : 03 Jul 2018 20:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 7/5/2018 2:30:31 PM

Quant Time: Jul 05 04:46:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	164290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253125	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	236355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	125721	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
35) Dibromofluoromethane	4.89	113	105429	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	7.57	98	327967	42.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.60%	
62) 4-Bromofluorobenzene	10.31	95	143195	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	86883	42.250	ug/l	99
3) Chloromethane	1.33	50	92074	43.826	ug/l	99
4) Vinyl Chloride	1.40	62	103465	47.754	ug/l	97
5) Bromomethane	1.61	94	62861	60.017	ug/l	98
6) Chloroethane	1.69	64	67018	55.470	ug/l	99
7) Trichlorofluoromethane	1.88	101	166664	50.405	ug/l	98
8) Diethyl Ether	2.10	74	64833	57.915	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.28	101	102590	50.012	ug/l	97
10) Methyl Iodide	2.41	142	117833	65.984	ug/l	98
11) Tert butyl alcohol	2.83	59	174224	267.091	ug/l	99
12) 1,1-Dichloroethene	2.28	96	94148	50.328	ug/l	96
13) Acrolein	2.19	56	40047	116.911	ug/l	99
14) Allyl chloride	2.59	41	161438	46.479	ug/l	99
15) Acrylonitrile	2.93	53	349090	275.062	ug/l	99
16) Acetone	2.32	43	333704	231.566	ug/l	99
17) Carbon Disulfide	2.48	76	256245	42.779	ug/l	100
18) Methyl Acetate	2.62	43	217668	70.457	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	384999	54.751	ug/l	97
20) Methylene Chloride	2.70	84	118752	52.519	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	104100	50.525	ug/l	98
22) Diisopropyl ether	3.57	45	367484	53.371	ug/l	96
23) Vinyl Acetate	3.53	43	1528598	247.831	ug/l	98
24) 1,1-Dichloroethane	3.45	63	210813	53.223	ug/l	98
25) 2-Butanone	4.26	43	508671	262.786	ug/l	96
26) 2,2-Dichloropropane	4.23	77	151994	40.412	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	126348	53.340	ug/l	96
28) Bromochloromethane	4.55	49	79507	45.571	ug/l	85
29) Tetrahydrofuran	4.64	42	323764	270.094	ug/l	97
30) Chloroform	4.68	83	219637	54.784	ug/l	99
31) Cyclohexane	5.00	56	180992	51.515	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	201426	54.331	ug/l	96
36) 1,1-Dichloropropene	5.14	75	153763	51.695	ug/l	97
37) Ethyl Acetate	4.38	43	186399	57.497	ug/l	98
38) Carbon Tetrachloride	5.14	117	178491	54.570	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	186266	50.182	ug/l	95
40) Benzene	5.39	78	455580	53.753	ug/l	99
41) Methacrylonitrile	4.55	41	102260	58.504	ug/l	98
42) 1,2-Dichloroethane	5.41	62	185176	57.366	ug/l	100
43) Isopropyl Acetate	5.55	43	292700	52.233	ug/l	99
44) Trichloroethene	6.19	130	124262	51.516	ug/l	94
45) 1,2-Dichloropropane	6.44	63	122108	53.995	ug/l	98
46) Dibromomethane	6.56	93	88029	55.418	ug/l	95
47) Bromodichloromethane	6.76	83	167762	53.037	ug/l	99
48) Methyl methacrylate	6.63	41	153113	56.112	ug/l	98
49) 1,4-Dioxane	6.61	88	69592	1304.121	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	973355	276.476	ug/l	98
52) Toluene	7.64	92	291341	53.430	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	178174	50.159	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	188483	49.797	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	122575	55.301	ug/l	98
56) Ethyl methacrylate	8.02	69	195649	52.738	ug/l	100
57) 1,3-Dichloropropane	8.25	76	207802	55.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	329145	231.586	ug/l	95
59) 2-Hexanone	8.36	43	777788	270.609	ug/l	99
60) Dibromochloromethane	8.48	129	140493	50.830	ug/l	99
61) 1,2-Dibromoethane	8.59	107	136574	55.360	ug/l	100
64) Tetrachloroethene	8.23	164	121108	53.906	ug/l	99
65) Chlorobenzene	9.12	112	334906	55.466	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	127326	55.505	ug/l	98
67) Ethyl Benzene	9.25	91	578928	54.693	ug/l	97
68) m/p-Xylenes	9.38	106	452964	111.439	ug/l	97
69) o-Xylene	9.78	106	225134	55.966	ug/l	96
70) Styrene	9.80	104	361236	54.645	ug/l	99
71) Bromoform	9.96	173	111015	50.915	ug/l #	99
73) Isopropylbenzene	10.17	105	607667	55.192	ug/l	99
74) N-amyl acetate	10.01	43	263212	50.261	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	209347	56.741	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	177028m	56.070	ug/l	
77) Bromobenzene	10.45	156	156478	56.139	ug/l	94
78) n-propylbenzene	10.59	91	678271	52.296	ug/l	97
79) 2-Chlorotoluene	10.66	91	412830	53.976	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	519012	54.387	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	64424m	47.226	ug/l	
82) 4-Chlorotoluene	10.78	91	478601	53.763	ug/l	100
83) tert-Butylbenzene	11.10	119	516624	56.280	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	529730	54.470	ug/l	100
85) sec-Butylbenzene	11.33	105	623258	54.242	ug/l	98
86) p-Isopropyltoluene	11.48	119	544558	52.916	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	283242	55.002	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	282855	54.572	ug/l	99
89) n-Butylbenzene	11.89	91	439869	48.144	ug/l	97
90) Hexachloroethane	12.15	117	96211	47.925	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	292080	56.627	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53028	52.088	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	183989	57.764	ug/l	99
94) Hexachlorobutadiene	13.70	225	94604	52.769	ug/l	99
95) Naphthalene	13.74	128	623913	59.044	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	192979	60.803	ug/l	99

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

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