

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025786.D
 Acq On : 01 Aug 2018 19:03
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:45:30 AM

Quant Time: Aug 02 05:16:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	189943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	284461	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	172621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	141942	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
35) Dibromofluoromethane	4.89	113	120644	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	7.57	98	425739	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	10.31	95	167780	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	138874	48.374	ug/l	97
3) Chloromethane	1.33	50	112447	40.980	ug/l	100
4) Vinyl Chloride	1.40	62	120221	46.557	ug/l	100
5) Bromomethane	1.62	94	39782	31.543	ug/l	100
6) Chloroethane	1.69	64	67836	44.927	ug/l	97
7) Trichlorofluoromethane	1.88	101	175858	47.103	ug/l	100
8) Diethyl Ether	2.10	74	63114	46.721	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	104122	48.191	ug/l	99
10) Methyl Iodide	2.41	142	39972	25.021	ug/l	100
11) Tert butyl alcohol	2.83	59	156924	242.185	ug/l	98
12) 1,1-Dichloroethene	2.28	96	97060	47.591	ug/l	97
13) Acrolein	2.19	56	48242	205.221	ug/l	98
14) Allyl chloride	2.59	41	164992	45.018	ug/l	97
15) Acrylonitrile	2.94	53	327579	253.213	ug/l	100
16) Acetone	2.32	43	306101	212.145	ug/l	96
17) Carbon Disulfide	2.47	76	293743	44.504	ug/l	100
18) Methyl Acetate	2.62	43	215437	62.035	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	364290	49.291	ug/l	98
20) Methylene Chloride	2.70	84	117324	45.881	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	111207	47.170	ug/l	97
22) Diisopropyl ether	3.58	45	352816	48.852	ug/l	93
23) Vinyl Acetate	3.53	43	1475383	234.409	ug/l	98
24) 1,1-Dichloroethane	3.45	63	207474	47.856	ug/l	99
25) 2-Butanone	4.27	43	476861	242.780	ug/l	100
26) 2,2-Dichloropropane	4.23	77	171021	43.400	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	126245	47.496	ug/l	99
28) Bromochloromethane	4.55	49	88504	45.658	ug/l	94
29) Tetrahydrofuran	4.64	42	296348	251.835	ug/l	100
30) Chloroform	4.68	83	217199	47.463	ug/l	100
31) Cyclohexane	5.00	56	176175	46.624	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	197073	47.832	ug/l	99
36) 1,1-Dichloropropene	5.14	75	162349	48.836	ug/l	98
37) Ethyl Acetate	4.38	43	169353	49.130	ug/l	99
38) Carbon Tetrachloride	5.14	117	178484	47.401	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	170858	44.856	ug/l	99
40) Benzene	5.39	78	455398	46.864	ug/l	97
41) Methacrylonitrile	4.54	41	96772	50.545	ug/l	98
42) 1,2-Dichloroethane	5.41	62	174793	46.715	ug/l	99
43) Isopropyl Acetate	5.55	43	278339	48.864	ug/l	98
44) Trichloroethene	6.19	130	129732	47.939	ug/l	100
45) 1,2-Dichloropropane	6.44	63	120440	47.524	ug/l	97
46) Dibromomethane	6.56	93	88073	47.962	ug/l	99
47) Bromodichloromethane	6.76	83	168751	48.176	ug/l	97
48) Methyl methacrylate	6.63	41	144053	51.599	ug/l	97
49) 1,4-Dioxane	6.62	88	63685	937.409	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	909199	254.951	ug/l	100
52) Toluene	7.64	92	294100	48.717	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	193109	49.100	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	200176	49.548	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	120168	47.898	ug/l	99
56) Ethyl methacrylate	8.02	69	186828	52.120	ug/l	96
57) 1,3-Dichloropropane	8.25	76	204581	48.489	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	381575	235.494	ug/l	98
59) 2-Hexanone	8.36	43	710335	254.104	ug/l	97
60) Dibromochloromethane	8.48	129	146119	49.389	ug/l	99
61) 1,2-Dibromoethane	8.59	107	137228	49.183	ug/l	99
64) Tetrachloroethene	8.23	164	116055	48.014	ug/l	98
65) Chlorobenzene	9.12	112	344157	48.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	129993	50.754	ug/l	100
67) Ethyl Benzene	9.25	91	575376	49.061	ug/l	100
68) m/p-Xylenes	9.38	106	447213	99.325	ug/l	100
69) o-Xylene	9.78	106	217733	49.480	ug/l	99
70) Styrene	9.80	104	360981	50.786	ug/l	98
71) Bromoform	9.96	173	114731	51.661	ug/l #	98
73) Isopropylbenzene	10.17	105	584636	49.622	ug/l	100
74) N-amyl acetate	10.01	43	246685	51.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	203028	49.832	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	178647m	46.970	ug/l	
77) Bromobenzene	10.45	156	161176	49.597	ug/l	98
78) n-propylbenzene	10.59	91	675948	49.155	ug/l	99
79) 2-Chlorotoluene	10.66	91	399395	49.587	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	495515	49.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	52007m	34.287	ug/l	
82) 4-Chlorotoluene	10.78	91	481162	50.679	ug/l	99
83) tert-Butylbenzene	11.10	119	487954	49.082	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	505513	49.855	ug/l	97
85) sec-Butylbenzene	11.33	105	578687	47.676	ug/l	100
86) p-Isopropyltoluene	11.48	119	526150	48.410	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	293833	48.712	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	299191	47.583	ug/l	99
89) n-Butylbenzene	11.89	91	458296	45.695	ug/l	99
90) Hexachloroethane	12.15	117	87964	45.521	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	289753	49.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50254	52.028	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	206135	51.656	ug/l	100
94) Hexachlorobutadiene	13.70	225	81747	38.862	ug/l	99
95) Naphthalene	13.74	128	668973	52.136	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	203572	51.139	ug/l	98

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

