

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025711.D
 Acq On : 28 Jul 2018 08:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:50:42 PM

Quant Time: Jul 30 01:26:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	176823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271949	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	141080	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	4.89	113	114666	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	7.57	98	413192	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	10.31	95	161350	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	141268	52.86	ug/l	97
3) Chloromethane	1.33	50	114519	44.83	ug/l	100
4) Vinyl Chloride	1.40	62	118731	49.39	ug/l	98
5) Bromomethane	1.62	94	56232	47.89	ug/l	100
6) Chloroethane	1.70	64	68208	48.53	ug/l	98
7) Trichlorofluoromethane	1.89	101	172261	49.56	ug/l	100
8) Diethyl Ether	2.10	74	60078	47.77	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	98808	49.13	ug/l	99
10) Methyl Iodide	2.41	142	70195	39.58	ug/l	100
11) Tert butyl alcohol	2.82	59	127638	211.60	ug/l	100
12) 1,1-Dichloroethene	2.28	96	94852	49.96	ug/l	96
13) Acrolein	2.19	56	43594	199.15	ug/l	100
14) Allyl chloride	2.59	41	147378	43.20	ug/l	98
15) Acrylonitrile	2.94	53	290736	241.41	ug/l	98
16) Acetone	2.32	43	265950	197.99	ug/l	97
17) Carbon Disulfide	2.48	76	287085	46.72	ug/l	100
18) Methyl Acetate	2.62	43	166148	51.39	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	344748	50.11	ug/l	99
20) Methylene Chloride	2.70	84	110624	46.47	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	105736	48.18	ug/l	98
22) Diisopropyl ether	3.57	45	334977	49.82	ug/l	96
23) Vinyl Acetate	3.53	43	1406093	239.98	ug/l	99
24) 1,1-Dichloroethane	3.45	63	200826	49.76	ug/l	98
25) 2-Butanone	4.26	43	408869	223.61	ug/l	100
26) 2,2-Dichloropropane	4.23	77	86062	23.46	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	119000	48.09	ug/l	94
28) Bromochloromethane	4.55	49	92722	51.38	ug/l	98
29) Tetrahydrofuran	4.64	42	260541	237.83	ug/l	100
30) Chloroform	4.68	83	205910	48.33	ug/l	100
31) Cyclohexane	5.00	56	172928	49.24	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	189026	49.28	ug/l	99
36) 1,1-Dichloropropene	5.14	75	155160	48.82	ug/l	99
37) Ethyl Acetate	4.38	43	151309	45.91	ug/l	99
38) Carbon Tetrachloride	5.14	117	170312	47.31	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	172987	47.50	ug/l	98
40) Benzene	5.39	78	438290	47.18	ug/l	97
41) Methacrylonitrile	4.54	41	86088	47.03	ug/l	98
42) 1,2-Dichloroethane	5.41	62	168532	47.11	ug/l	100
43) Isopropyl Acetate	5.55	43	258802	47.52	ug/l	99
44) Trichloroethene	6.19	130	122140	47.21	ug/l	98
45) 1,2-Dichloropropane	6.44	63	114889	47.42	ug/l	100
46) Dibromomethane	6.56	93	82113	46.77	ug/l	99
47) Bromodichloromethane	6.76	83	158698	47.39	ug/l	98
48) Methyl methacrylate	6.63	41	130461	48.88	ug/l	97
49) 1,4-Dioxane	6.62	88	55789	858.97	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	800136	234.69	ug/l	100
52) Toluene	7.64	92	280772	48.65	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	165654	44.06	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	172097	44.56	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	113846	47.47	ug/l	99
56) Ethyl methacrylate	8.02	69	170481	49.75	ug/l	97
57) 1,3-Dichloropropane	8.25	76	194394	48.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	340050	220.00	ug/l	99
59) 2-Hexanone	8.36	43	617466	231.05	ug/l	98
60) Dibromochloromethane	8.48	129	134297	47.48	ug/l	100
61) 1,2-Dibromoethane	8.59	107	128688	48.24	ug/l	99
64) Tetrachloroethene	8.23	164	121314	51.87	ug/l	99
65) Chlorobenzene	9.12	112	323278	47.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	120782	48.74	ug/l	98
67) Ethyl Benzene	9.25	91	554707	48.88	ug/l	100
68) m/p-Xylenes	9.38	106	436361	100.16	ug/l	98
69) o-Xylene	9.78	106	209624	49.23	ug/l	99
70) Styrene	9.80	104	341397	49.64	ug/l	99
71) Bromoform	9.96	173	104426	48.59	ug/l #	100
73) Isopropylbenzene	10.17	105	567952	49.33	ug/l	100
74) N-amyl acetate	10.01	43	229510	48.83	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	181182	45.51	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	159378m	42.88	ug/l	
77) Bromobenzene	10.45	156	150183	47.29	ug/l	99
78) n-propylbenzene	10.59	91	665147	49.50	ug/l	100
79) 2-Chlorotoluene	10.66	91	385173	48.94	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	484252	49.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	46970m	31.69	ug/l	
82) 4-Chlorotoluene	10.77	91	455547	49.10	ug/l	99
83) tert-Butylbenzene	11.10	119	469679	48.35	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	505377	51.01	ug/l	100
85) sec-Butylbenzene	11.33	105	582192	49.08	ug/l	100
86) p-Isopropyltoluene	11.48	119	520924	49.05	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	280218	47.54	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	283224	46.09	ug/l	99
89) n-Butylbenzene	11.89	91	467567	47.71	ug/l	99
90) Hexachloroethane	12.15	117	85458	45.26	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	273374	47.32	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	43645	46.24	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	191394	49.08	ug/l	99
94) Hexachlorobutadiene	13.70	225	90264	43.91	ug/l	99
95) Naphthalene	13.74	128	575176	46.02	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	194296	49.95	ug/l	99

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

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