

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025663.D
 Acq On : 27 Jul 2018 11:51
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:48:18 PM

Quant Time: Jul 28 02:18:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	179747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	268004	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	181196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	402759	144.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.44%	
35) Dibromofluoromethane	4.89	113	337052	149.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.16%	
50) Toluene-d8	7.57	98	1212570	156.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.24%	
62) 4-Bromofluorobenzene	10.31	95	498913	160.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	432891	232.71	ug/l	99
3) Chloromethane	1.33	50	388753	184.68	ug/l	100
4) Vinyl Chloride	1.40	62	367671	179.86	ug/l	99
5) Bromomethane	1.61	94	144682	96.88	ug/l	99
6) Chloroethane	1.68	64	205302	144.11	ug/l	99
7) Trichlorofluoromethane	1.87	101	528046	164.37	ug/l	98
8) Diethyl Ether	2.10	74	181406	150.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	298479	149.92	ug/l	99
10) Methyl Iodide	2.40	142	334462	172.08	ug/l	100
11) Tert butyl alcohol	2.84	59	462026	758.40	ug/l	99
12) 1,1-Dichloroethene	2.27	96	281805	154.67	ug/l	94
13) Acrolein	2.19	56	169206	419.84	ug/l	99
14) Allyl chloride	2.59	41	532287	161.09	ug/l	89
15) Acrylonitrile	2.94	53	956474	763.65	ug/l	99
16) Acetone	2.32	43	898146	595.59	ug/l	98
17) Carbon Disulfide	2.47	76	933018	165.31	ug/l	100
18) Methyl Acetate	2.62	43	522590	182.77	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	1049038	151.37	ug/l	99
20) Methylene Chloride	2.70	84	342524	138.25	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	328136	157.59	ug/l	98
22) Diisopropyl ether	3.57	45	1009293	149.56	ug/l	92
23) Vinyl Acetate	3.53	43	4484628	757.57	ug/l	99
24) 1,1-Dichloroethane	3.45	63	600907	157.89	ug/l	100
25) 2-Butanone	4.27	43	1372761	709.21	ug/l	99
26) 2,2-Dichloropropane	4.23	77	524898	143.44	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	367041	152.35	ug/l	98
28) Bromochloromethane	4.55	49	255291	138.91	ug/l	99
29) Tetrahydrofuran	4.64	42	850490	732.55	ug/l	100
30) Chloroform	4.68	83	621453	154.19	ug/l	100
31) Cyclohexane	4.99	56	527347	124.71	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	574038	157.16	ug/l	98
36) 1,1-Dichloropropene	5.14	75	473156	158.80	ug/l	99
37) Ethyl Acetate	4.38	43	491759	147.99	ug/l	99
38) Carbon Tetrachloride	5.14	117	526649	164.22	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	549679	147.90	ug/l	99
40) Benzene	5.39	78	1331895	155.12	ug/l	98
41) Methacrylonitrile	4.54	41	278069	150.94	ug/l	98
42) 1,2-Dichloroethane	5.41	62	504897	147.93	ug/l	99
43) Isopropyl Acetate	5.55	43	814431	153.06	ug/l	99
44) Trichloroethene	6.19	130	373741	151.59	ug/l	98
45) 1,2-Dichloropropane	6.44	63	349776	155.53	ug/l	100
46) Dibromomethane	6.56	93	254473	155.49	ug/l	100
47) Bromodichloromethane	6.76	83	492246	161.91	ug/l	97
48) Methyl methacrylate	6.63	41	423681	159.72	ug/l	97
49) 1,4-Dioxane	6.62	88	199577	3126.69	ug/l	96
51) 4-Methyl-2-Pentanone	7.47	43	2707667	782.90	ug/l	99
52) Toluene	7.64	92	865659	158.47	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	584194	174.89	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	594895	167.33	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	353677	155.46	ug/l	100
56) Ethyl methacrylate	8.02	69	564418	158.84	ug/l	95
57) 1,3-Dichloropropane	8.25	76	596254	157.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	1177727	939.24	ug/l	100
59) 2-Hexanone	8.37	43	2181787	777.74	ug/l	97
60) Dibromochloromethane	8.48	129	434887	177.00	ug/l	100
61) 1,2-Dibromoethane	8.59	107	404872	166.32	ug/l	99
64) Tetrachloroethene	8.23	164	333512	136.83	ug/l	98
65) Chlorobenzene	9.12	112	1012082	151.52	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	384836	161.06	ug/l	99
67) Ethyl Benzene	9.25	91	1728260	151.77	ug/l	100
68) m/p-Xylenes	9.38	106	1367670	310.65	ug/l	97
69) o-Xylene	9.78	106	663882	150.62	ug/l	100
70) Styrene	9.80	104	1111901	158.81	ug/l	98
71) Bromoform	9.96	173	367462	177.83	ug/l #	98
73) Isopropylbenzene	10.17	105	1800660	130.06	ug/l	100
74) N-amyl acetate	10.02	43	812398	135.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	628366	138.73	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	550834m	133.50	ug/l	
77) Bromobenzene	10.46	156	492946	139.18	ug/l	99
78) n-propylbenzene	10.59	91	2132397	138.80	ug/l	99
79) 2-Chlorotoluene	10.67	91	1246916	129.69	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	1569821	134.76	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	210398m	145.75	ug/l	
82) 4-Chlorotoluene	10.78	91	1493078	137.26	ug/l	99
83) tert-Butylbenzene	11.10	119	1569872	133.36	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	1635850	137.02	ug/l	98
85) sec-Butylbenzene	11.33	105	1928120	139.11	ug/l	100
86) p-Isopropyltoluene	11.48	119	1756030	143.08	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	927253	143.25	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	942339	141.74	ug/l	99
89) n-Butylbenzene	11.89	91	1617279	160.30	ug/l	100
90) Hexachloroethane	12.15	117	318264	153.15	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	920022	140.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	158954	144.69	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	674027	157.37	ug/l	99
94) Hexachlorobutadiene	13.70	225	325900	139.39	ug/l	99
95) Naphthalene	13.75	128	2048191	139.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	666550	144.31	ug/l	99

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

