

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025664.D
 Acq On : 27 Jul 2018 12:56
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:48:24 PM

Quant Time: Jul 28 04:24:16 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	203067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295709	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	185174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	162842	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	4.89	113	135666	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	7.57	98	486028	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
62) 4-Bromofluorobenzene	10.31	95	188451	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	177340	57.78	ug/l	97
3) Chloromethane	1.33	50	154452	52.65	ug/l	99
4) Vinyl Chloride	1.40	62	146898	53.21	ug/l	99
5) Bromomethane	1.62	94	79777	59.17	ug/l	99
6) Chloroethane	1.69	64	82629	51.19	ug/l	99
7) Trichlorofluoromethane	1.88	101	213777	53.56	ug/l	99
8) Diethyl Ether	2.10	74	74274	51.43	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	118443	51.28	ug/l	99
10) Methyl Iodide	2.41	142	112724	51.92	ug/l	99
11) Tert butyl alcohol	2.83	59	170051	245.48	ug/l	100
12) 1,1-Dichloroethene	2.28	96	107650	49.37	ug/l	96
13) Acrolein	2.19	56	49539	197.04	ug/l	98
14) Allyl chloride	2.59	41	195771	49.96	ug/l	98
15) Acrylonitrile	2.93	53	358114	258.93	ug/l	99
16) Acetone	2.32	43	373704	242.26	ug/l	96
17) Carbon Disulfide	2.47	76	372728	52.82	ug/l	99
18) Methyl Acetate	2.62	43	197931	53.31	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	416451	52.71	ug/l	100
20) Methylene Chloride	2.70	84	134183	49.08	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	131768	52.28	ug/l	98
22) Diisopropyl ether	3.57	45	403858	52.30	ug/l	94
23) Vinyl Acetate	3.53	43	1754795	260.78	ug/l	99
24) 1,1-Dichloroethane	3.45	63	239385	51.65	ug/l	99
25) 2-Butanone	4.26	43	540050	257.18	ug/l	98
26) 2,2-Dichloropropane	4.23	77	224637	53.32	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	145727	51.28	ug/l	100
28) Bromochloromethane	4.55	49	113822	54.92	ug/l	99
29) Tetrahydrofuran	4.64	42	312389	248.31	ug/l	99
30) Chloroform	4.68	83	248399	50.77	ug/l	97
31) Cyclohexane	5.00	56	214025	53.17	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	228626	51.90	ug/l	99
36) 1,1-Dichloropropene	5.14	75	190699	55.18	ug/l	99
37) Ethyl Acetate	4.38	43	189001	52.74	ug/l	99
38) Carbon Tetrachloride	5.14	117	207669	53.05	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	223511	56.45	ug/l	98
40) Benzene	5.39	78	526278	52.10	ug/l	99
41) Methacrylonitrile	4.54	41	105130	52.82	ug/l	98
42) 1,2-Dichloroethane	5.41	62	202327	52.02	ug/l	99
43) Isopropyl Acetate	5.55	43	309199	52.22	ug/l	99
44) Trichloroethene	6.19	130	150582	53.53	ug/l	99
45) 1,2-Dichloropropane	6.44	63	138375	52.52	ug/l	97
46) Dibromomethane	6.56	93	98626	51.67	ug/l	99
47) Bromodichloromethane	6.76	83	192602	52.89	ug/l	98
48) Methyl methacrylate	6.62	41	156433	53.90	ug/l	97
49) 1,4-Dioxane	6.61	88	75741	1072.46	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	965756	260.51	ug/l	99
52) Toluene	7.64	92	336008	53.54	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	226970	55.51	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	230981	55.00	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	135945	52.13	ug/l	99
56) Ethyl methacrylate	8.02	69	204980	55.01	ug/l	96
57) 1,3-Dichloropropane	8.25	76	231168	52.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	385974	229.34	ug/l	98
59) 2-Hexanone	8.36	43	778399	267.86	ug/l	98
60) Dibromochloromethane	8.48	129	162273	52.76	ug/l	100
61) 1,2-Dibromoethane	8.59	107	153045	52.77	ug/l	99
64) Tetrachloroethene	8.23	164	133707	53.18	ug/l	99
65) Chlorobenzene	9.12	112	388650	52.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	144741	54.33	ug/l	100
67) Ethyl Benzene	9.25	91	662284	54.29	ug/l	100
68) m/p-Xylenes	9.38	106	523709	111.83	ug/l	99
69) o-Xylene	9.78	106	250263	54.68	ug/l	98
70) Styrene	9.80	104	412519	55.80	ug/l	98
71) Bromoform	9.96	173	125627	54.39	ug/l #	100
73) Isopropylbenzene	10.17	105	685510	54.24	ug/l	100
74) N-amyl acetate	10.01	43	281042	54.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	220099	50.36	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	189198m	46.37	ug/l	
77) Bromobenzene	10.45	156	179273	51.43	ug/l	99
78) n-propylbenzene	10.59	91	818489	55.49	ug/l	99
79) 2-Chlorotoluene	10.66	91	465596	53.89	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	595351	55.47	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	166326m	102.22	ug/l	
82) 4-Chlorotoluene	10.78	91	564931	55.47	ug/l	99
83) tert-Butylbenzene	11.10	119	580367	54.42	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	609956	56.08	ug/l	98
85) sec-Butylbenzene	11.33	105	731274	56.16	ug/l	100
86) p-Isopropyltoluene	11.48	119	664712	57.01	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	345658	53.42	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	351826	52.16	ug/l	100
89) n-Butylbenzene	11.89	91	616573	57.31	ug/l	100
90) Hexachloroethane	12.15	117	111520	53.80	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	340068	53.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	55289	53.36	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	252087	58.89	ug/l	98
94) Hexachlorobutadiene	13.70	225	127960	56.71	ug/l	99
95) Naphthalene	13.75	128	729758	53.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	250018	58.55	ug/l	99

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

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