

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028358.D
 Acq On : 28 Nov 2018 11:47
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:23:07 PM

Quant Time: Nov 29 06:23:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	265560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	462420	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	422709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	198419	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	205512	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	4.88	113	144643	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	7.57	98	576482	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	10.30	95	212190	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	171661	48.187	ug/l	98
3) Chloromethane	1.33	50	330499	47.863	ug/l	99
4) Vinyl Chloride	1.40	62	229742	47.553	ug/l	99
5) Bromomethane	1.61	94	75425	40.365	ug/l	97
6) Chloroethane	1.69	64	129112	46.443	ug/l	94
7) Trichlorofluoromethane	1.88	101	240739	47.972	ug/l	99
8) Diethyl Ether	2.10	74	109209	46.813	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	141929	48.550	ug/l	99
10) Methyl Iodide	2.41	142	143772	52.153	ug/l	99
11) Tert butyl alcohol	2.83	59	240044	238.075	ug/l	99
12) 1,1-Dichloroethene	2.28	96	138249	48.731	ug/l	96
13) Acrolein	2.19	56	210167	234.464	ug/l	98
14) Allyl chloride	2.59	41	333392	44.979	ug/l	99
15) Acrylonitrile	2.93	53	629855	236.159	ug/l	99
16) Acetone	2.32	43	604850	222.785	ug/l	100
17) Carbon Disulfide	2.48	76	505844	46.453	ug/l	98
18) Methyl Acetate	2.61	43	344205	45.536	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	555746	47.782	ug/l	99
20) Methylene Chloride	2.70	84	179211	46.795	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	158693	48.232	ug/l	96
22) Diisopropyl ether	3.57	45	691936	47.416	ug/l	98
23) Vinyl Acetate	3.52	43	2892474	238.458	ug/l	100
24) 1,1-Dichloroethane	3.44	63	343985	47.810	ug/l	100
25) 2-Butanone	4.26	43	908692	233.541	ug/l	100
26) 2,2-Dichloropropane	4.22	77	274068	47.964	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	181074	46.535	ug/l	98
28) Bromochloromethane	4.55	49	175311	48.730	ug/l	99
29) Tetrahydrofuran	4.63	42	592874	234.685	ug/l	99
30) Chloroform	4.67	83	303893	45.760	ug/l	99
31) Cyclohexane	4.99	56	344652	46.638	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	252197	47.326	ug/l	100
36) 1,1-Dichloropropene	5.13	75	240780	47.583	ug/l	98
37) Ethyl Acetate	4.38	43	336313	48.770	ug/l	99
38) Carbon Tetrachloride	5.13	117	199855	48.096	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	293303	49.162	ug/l	98
40) Benzene	5.39	78	729225	48.657	ug/l	99
41) Methacrylonitrile	4.54	41	186242	48.632	ug/l	97
42) 1,2-Dichloroethane	5.40	62	257246	47.646	ug/l	99
43) Isopropyl Acetate	5.55	43	535238	48.980	ug/l	99
44) Trichloroethene	6.18	130	162554	50.600	ug/l	99
45) 1,2-Dichloropropane	6.43	63	211161	48.113	ug/l	98
46) Dibromomethane	6.56	93	118115	46.853	ug/l	97
47) Bromodichloromethane	6.76	83	239278	47.719	ug/l	99
48) Methyl methacrylate	6.62	41	271086	47.624	ug/l	100
49) 1,4-Dioxane	6.61	88	89492	984.140	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1654114	237.003	ug/l	99
52) Toluene	7.63	92	421746	48.868	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	283294	47.248	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	306126	47.657	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	165020	45.944	ug/l	96
56) Ethyl methacrylate	8.02	69	302786	49.552	ug/l	99
57) 1,3-Dichloropropane	8.24	76	312439	47.434	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	808744	246.522	ug/l	99
59) 2-Hexanone	8.36	43	1296631	239.843	ug/l	99
60) Dibromochloromethane	8.48	129	165762	48.525	ug/l	99
61) 1,2-Dibromoethane	8.58	107	180088	48.954	ug/l	99
64) Tetrachloroethene	8.22	164	135836	48.852	ug/l	99
65) Chlorobenzene	9.12	112	435403	49.606	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	146832	48.804	ug/l	99
67) Ethyl Benzene	9.25	91	823829	49.835	ug/l	100
68) m/p-Xylenes	9.37	106	597825	100.472	ug/l	99
69) o-Xylene	9.78	106	293727	49.658	ug/l	99
70) Styrene	9.79	104	479876	50.303	ug/l	100
71) Bromoform	9.96	173	124920	49.399	ug/l #	99
73) Isopropylbenzene	10.17	105	774261	50.172	ug/l	100
74) N-amyl acetate	10.01	43	472145	48.832	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	304096	47.919	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	269529m	48.985	ug/l	
77) Bromobenzene	10.45	156	176851	48.635	ug/l	98
78) n-propylbenzene	10.59	91	965994	50.742	ug/l	100
79) 2-Chlorotoluene	10.66	91	559851	49.886	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	657055	50.525	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	100515m	48.492	ug/l	
82) 4-Chlorotoluene	10.77	91	646924	50.032	ug/l	100
83) tert-Butylbenzene	11.10	119	618684	51.035	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	667762	50.695	ug/l	99
85) sec-Butylbenzene	11.32	105	795977	50.552	ug/l	99
86) p-Isopropyltoluene	11.48	119	667477	51.555	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	324064	48.863	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	327540	49.072	ug/l	97
89) n-Butylbenzene	11.89	91	662864	51.876	ug/l	100
90) Hexachloroethane	12.14	117	99104	49.030	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	332039	50.180	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	68174	48.296	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	220409	50.888	ug/l	99
94) Hexachlorobutadiene	13.69	225	101917	49.833	ug/l	97
95) Naphthalene	13.74	128	771572	46.418	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	223266	50.968	ug/l	99

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

