

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026991.D
 Acq On : 22 Sep 2018 00:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:15 PM

Quant Time: Sep 22 04:15:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	86336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	144819	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80270	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	86103	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.10%		
35) Dibromofluoromethane	4.88	113	61269	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.62%		
50) Toluene-d8	7.57	98	242373	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.32%		
62) 4-Bromofluorobenzene	10.31	95	87795	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.96%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	53116	47.121	ug/l	97
3) Chloromethane	1.33	50	87659	45.104	ug/l	99
4) Vinyl Chloride	1.40	62	83949	46.275	ug/l	99
5) Bromomethane	1.62	94	45577	44.118	ug/l	98
6) Chloroethane	1.69	64	53584	46.228	ug/l	98
7) Trichlorofluoromethane	1.88	101	98386	47.750	ug/l	99
8) Diethyl Ether	2.10	74	48929	49.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	60276	47.578	ug/l	99
10) Methyl Iodide	2.41	142	58797	37.421	ug/l	99
11) Tert butyl alcohol	2.83	59	95072	238.705	ug/l	99
12) 1,1-Dichloroethene	2.28	96	56121	47.064	ug/l	97
13) Acrolein	2.19	56	55670	259.291	ug/l	98
14) Allyl chloride	2.59	41	120985	50.024	ug/l	98
15) Acrylonitrile	2.94	53	247123	246.181	ug/l	99
16) Acetone	2.32	43	215734	232.568	ug/l	98
17) Carbon Disulfide	2.48	76	180736	46.527	ug/l	100
18) Methyl Acetate	2.62	43	120712	48.807	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	222151	50.697	ug/l	100
20) Methylene Chloride	2.70	84	72268	46.439	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	63889	50.183	ug/l	97
22) Diisopropyl ether	3.57	45	270463	52.283	ug/l	99
23) Vinyl Acetate	3.52	43	1159506	262.951	ug/l	100
24) 1,1-Dichloroethane	3.45	63	142325	49.954	ug/l	100
25) 2-Butanone	4.26	43	348565	238.694	ug/l	99
26) 2,2-Dichloropropane	4.23	77	92231	41.509	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	72095	50.144	ug/l	98
28) Bromochloromethane	4.55	49	72824	53.025	ug/l	96
29) Tetrahydrofuran	4.64	42	225642	255.429	ug/l	98
30) Chloroform	4.67	83	127495	48.209	ug/l	98
31) Cyclohexane	5.00	56	130462	50.378	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	103973	49.240	ug/l	100
36) 1,1-Dichloropropene	5.14	75	96114	49.728	ug/l	99
37) Ethyl Acetate	4.38	43	124466	47.570	ug/l	99
38) Carbon Tetrachloride	5.14	117	88514	48.124	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	112537	53.579	ug/l	100
40) Benzene	5.39	78	288767	49.147	ug/l	100
41) Methacrylonitrile	4.54	41	70989	52.242	ug/l	99
42) 1,2-Dichloroethane	5.40	62	108994	49.099	ug/l	100
43) Isopropyl Acetate	5.55	43	194530	50.980	ug/l	99
44) Trichloroethene	6.19	130	62418	49.900	ug/l	96
45) 1,2-Dichloropropane	6.43	63	84523	50.487	ug/l	99
46) Dibromomethane	6.56	93	49172	48.632	ug/l	100
47) Bromodichloromethane	6.76	83	98429	48.143	ug/l	98
48) Methyl methacrylate	6.62	41	100947	48.634	ug/l	99
49) 1,4-Dioxane	6.61	88	38858	942.011	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	674386	262.780	ug/l	100
52) Toluene	7.64	92	175638	52.151	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	113999	51.897	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	120345	49.827	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	71342	49.992	ug/l	98
56) Ethyl methacrylate	8.02	69	118941	48.122	ug/l	99
57) 1,3-Dichloropropane	8.24	76	135466	51.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	336150	239.423	ug/l	100
59) 2-Hexanone	8.36	43	511386	254.562	ug/l	100
60) Dibromochloromethane	8.48	129	70480	50.350	ug/l	100
61) 1,2-Dibromoethane	8.59	107	74066	49.882	ug/l	100
64) Tetrachloroethene	8.23	164	53960	48.244	ug/l	98
65) Chlorobenzene	9.12	112	182180	47.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	64565	48.706	ug/l	99
67) Ethyl Benzene	9.25	91	329752	52.105	ug/l	99
68) m/p-Xylenes	9.38	106	245550	95.868	ug/l	98
69) o-Xylene	9.78	106	116942	52.152	ug/l	98
70) Styrene	9.79	104	199464	47.727	ug/l	99
71) Bromoform	9.96	173	50124	48.897	ug/l #	99
73) Isopropylbenzene	10.17	105	321797	52.701	ug/l	100
74) N-amyl acetate	10.02	43	180959	51.199	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	124134	44.217	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	105996m	43.466	ug/l	
77) Bromobenzene	10.45	156	71816	48.130	ug/l	95
78) n-propylbenzene	10.59	91	391499	54.188	ug/l	100
79) 2-Chlorotoluene	10.66	91	227193	50.063	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	272212	54.006	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	41082m	53.912	ug/l	
82) 4-Chlorotoluene	10.77	91	264090	51.899	ug/l	99
83) tert-Butylbenzene	11.10	119	254814	51.134	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	277935	54.183	ug/l	99
85) sec-Butylbenzene	11.32	105	327196	53.788	ug/l	100
86) p-Isopropyltoluene	11.48	119	282175	49.446	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	135585	48.830	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	137602	45.470	ug/l	100
89) n-Butylbenzene	11.89	91	267374	48.403	ug/l	99
90) Hexachloroethane	12.15	117	51548	46.600	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	135943	46.090	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27201	47.494	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	89234	52.500	ug/l	100
94) Hexachlorobutadiene	13.69	225	42649	47.423	ug/l	99
95) Naphthalene	13.74	128	317116	47.795	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	94123	51.638	ug/l	99

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

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