

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092218\
 Data File : VU026993.D
 Acq On : 22 Sep 2018 03:24
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:16 PM

Quant Time: Sep 22 04:53:22 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	77702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	133072	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	132086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84172	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	4.88	113	58759	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	7.57	98	216401	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	10.31	95	79003	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	45910	45.254	ug/l	98
3) Chloromethane	1.33	50	81355	46.512	ug/l	99
4) Vinyl Chloride	1.40	62	74230	45.464	ug/l	98
5) Bromomethane	1.61	94	41897	45.062	ug/l	95
6) Chloroethane	1.69	64	50988	48.876	ug/l	100
7) Trichlorofluoromethane	1.88	101	85404	46.056	ug/l	98
8) Diethyl Ether	2.10	74	48142	53.936	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	52569	46.105	ug/l	98
10) Methyl Iodide	2.41	142	61768	43.680	ug/l	99
11) Tert butyl alcohol	2.83	59	91481	255.211	ug/l	99
12) 1,1-Dichloroethene	2.28	96	49943	46.537	ug/l	96
13) Acrolein	2.19	56	51372	265.859	ug/l	99
14) Allyl chloride	2.59	41	111038	51.013	ug/l	98
15) Acrylonitrile	2.93	53	245740	272.005	ug/l	99
16) Acetone	2.32	43	217775	263.016	ug/l	99
17) Carbon Disulfide	2.48	76	162290	46.421	ug/l	99
18) Methyl Acetate	2.61	43	119237	53.568	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	224359	56.891	ug/l	100
20) Methylene Chloride	2.70	84	70265	50.169	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	57516	50.197	ug/l	99
22) Diisopropyl ether	3.57	45	269257	57.834	ug/l	96
23) Vinyl Acetate	3.52	43	1157539	291.673	ug/l	99
24) 1,1-Dichloroethane	3.44	63	135435	52.818	ug/l	99
25) 2-Butanone	4.26	43	344337	261.999	ug/l	98
26) 2,2-Dichloropropane	4.23	77	80102	40.056	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	68271	52.760	ug/l	99
28) Bromochloromethane	4.55	49	70975	57.421	ug/l	97
29) Tetrahydrofuran	4.64	42	223749	281.430	ug/l	99
30) Chloroform	4.67	83	123433	51.859	ug/l	100
31) Cyclohexane	5.00	56	113765	48.794	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	95292	50.144	ug/l	99
36) 1,1-Dichloropropene	5.14	75	86420	48.660	ug/l	99
37) Ethyl Acetate	4.38	43	125363	52.142	ug/l	100
38) Carbon Tetrachloride	5.13	117	78756	46.599	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	96978	50.247	ug/l	99
40) Benzene	5.39	78	273448	50.648	ug/l	99
41) Methacrylonitrile	4.54	41	71716	57.436	ug/l	99
42) 1,2-Dichloroethane	5.40	62	109635	53.747	ug/l	99
43) Isopropyl Acetate	5.55	43	196323	55.992	ug/l	99
44) Trichloroethene	6.19	130	57307	49.858	ug/l	99
45) 1,2-Dichloropropane	6.43	63	81556	53.015	ug/l	98
46) Dibromomethane	6.56	93	48590	52.298	ug/l	98
47) Bromodichloromethane	6.76	83	96421	51.324	ug/l	98
48) Methyl methacrylate	6.62	41	99999	52.351	ug/l	99
49) 1,4-Dioxane	6.61	88	40277	1062.826	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	664962	281.981	ug/l	100
52) Toluene	7.64	92	160067	51.723	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	110459	54.724	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	116135	52.328	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	70285	53.599	ug/l	99
56) Ethyl methacrylate	8.02	69	117585	51.606	ug/l	99
57) 1,3-Dichloropropane	8.24	76	132528	54.339	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	340547	263.468	ug/l	100
59) 2-Hexanone	8.36	43	501567	271.714	ug/l	100
60) Dibromochloromethane	8.48	129	68743	53.444	ug/l	99
61) 1,2-Dibromoethane	8.59	107	73197	53.649	ug/l	99
64) Tetrachloroethene	8.23	164	48424	47.576	ug/l	97
65) Chlorobenzene	9.12	112	170242	48.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	61927	51.336	ug/l	99
67) Ethyl Benzene	9.25	91	299595	52.021	ug/l	99
68) m/p-Xylenes	9.38	106	225119	96.572	ug/l	100
69) o-Xylene	9.78	106	109992	53.904	ug/l	100
70) Styrene	9.79	104	185177	48.654	ug/l	99
71) Bromoform	9.96	173	49695	53.272	ug/l #	100
73) Isopropylbenzene	10.17	105	289268	52.574	ug/l	100
74) N-amyl acetate	10.01	43	177737	55.807	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	123597	48.858	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	110877m	50.459	ug/l	
77) Bromobenzene	10.45	156	67835	50.453	ug/l	97
78) n-propylbenzene	10.59	91	349045	53.615	ug/l	100
79) 2-Chlorotoluene	10.66	91	211854	51.808	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	241376	53.145	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	32921m	47.945	ug/l	
82) 4-Chlorotoluene	10.77	91	242097	52.800	ug/l	99
83) tert-Butylbenzene	11.10	119	228562	50.901	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	250876	54.277	ug/l	99
85) sec-Butylbenzene	11.32	105	288183	52.575	ug/l	100
86) p-Isopropyltoluene	11.48	119	248456	48.338	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	125724	50.249	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	127375	46.711	ug/l	99
89) n-Butylbenzene	11.89	91	230732	46.456	ug/l	100
90) Hexachloroethane	12.15	117	46189	46.339	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	127157	47.844	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26373	51.104	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	82790	54.056	ug/l	99
94) Hexachlorobutadiene	13.69	225	38639	47.680	ug/l	99
95) Naphthalene	13.75	128	299325	49.986	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	87353	53.185	ug/l	99

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

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