

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092418\
 Data File : VU027093.D
 Acq On : 24 Sep 2018 08:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:12 AM

Quant Time: Sep 25 01:41:34 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	84043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	139974	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	80198	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	4.88	113	56746	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	7.57	98	220265	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	10.31	95	80544	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	49904	45.479	ug/l	97
3) Chloromethane	1.33	50	84823	44.836	ug/l	99
4) Vinyl Chloride	1.40	62	81546	46.177	ug/l	98
5) Bromomethane	1.62	94	41978	41.742	ug/l	99
6) Chloroethane	1.69	64	52027	46.109	ug/l	99
7) Trichlorofluoromethane	1.88	101	94898	47.314	ug/l	97
8) Diethyl Ether	2.10	74	46363	48.024	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	58495	47.432	ug/l	99
10) Methyl Iodide	2.41	142	55248	36.121	ug/l	99
11) Tert butyl alcohol	2.82	59	87806	226.476	ug/l	99
12) 1,1-Dichloroethene	2.28	96	53787	46.338	ug/l	98
13) Acrolein	2.19	56	47807	228.743	ug/l	99
14) Allyl chloride	2.59	41	125771	53.422	ug/l	95
15) Acrylonitrile	2.93	53	237707	243.262	ug/l	98
16) Acetone	2.32	43	265591	298.830	ug/l	100
17) Carbon Disulfide	2.48	76	172359	45.581	ug/l	100
18) Methyl Acetate	2.61	43	122472	50.870	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	221078	51.829	ug/l	100
20) Methylene Chloride	2.70	84	68665	45.327	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	60164	48.546	ug/l	97
22) Diisopropyl ether	3.57	45	275569	54.724	ug/l	98
23) Vinyl Acetate	3.52	43	1173584	273.405	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138760	50.032	ug/l	100
25) 2-Butanone	4.26	43	362614	255.089	ug/l	99
26) 2,2-Dichloropropane	4.23	77	111993	51.778	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	69008	49.306	ug/l	95
28) Bromochloromethane	4.55	49	70525	52.752	ug/l	94
29) Tetrahydrofuran	4.64	42	219545	255.307	ug/l	97
30) Chloroform	4.67	83	124910	48.520	ug/l	99
31) Cyclohexane	5.00	56	130387	51.738	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	104223	50.705	ug/l	98
36) 1,1-Dichloropropene	5.14	75	95533	51.139	ug/l	98
37) Ethyl Acetate	4.38	43	124945	49.406	ug/l	99
38) Carbon Tetrachloride	5.13	117	87824	49.402	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	6.41	83	112336	55.335	ug/l	98
40) Benzene	5.39	78	282118	49.677	ug/l	100
41) Methacrylonitrile	4.54	41	72962	55.552	ug/l	97
42) 1,2-Dichloroethane	5.41	62	108860	50.736	ug/l	99
43) Isopropyl Acetate	5.55	43	196209	53.200	ug/l	98
44) Trichloroethene	6.19	130	60600	50.124	ug/l	97
45) 1,2-Dichloropropane	6.43	63	82757	51.143	ug/l	97
46) Dibromomethane	6.56	93	48462	49.589	ug/l	98
47) Bromodichloromethane	6.76	83	98500	49.846	ug/l	99
48) Methyl methacrylate	6.62	41	99559	49.605	ug/l	98
49) 1,4-Dioxane	6.61	88	37479	940.027	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	657094	264.904	ug/l	99
52) Toluene	7.64	92	169652	52.117	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	116574	54.906	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	125171	53.618	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	68539	49.690	ug/l	99
56) Ethyl methacrylate	8.02	69	115306	48.259	ug/l	97
57) 1,3-Dichloropropane	8.24	76	131627	51.308	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	347248	255.554	ug/l	98
59) 2-Hexanone	8.36	43	513284	264.351	ug/l	100
60) Dibromochloromethane	8.48	129	68555	50.670	ug/l	97
61) 1,2-Dibromoethane	8.59	107	71605	49.894	ug/l	99
64) Tetrachloroethene	8.23	164	51506	48.530	ug/l	97
65) Chlorobenzene	9.12	112	173997	47.645	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62591	49.759	ug/l	99
67) Ethyl Benzene	9.25	91	321549	53.545	ug/l	99
68) m/p-Xylenes	9.38	106	238915	98.263	ug/l	97
69) o-Xylene	9.78	106	114640	53.879	ug/l	98
70) Styrene	9.79	104	192680	48.554	ug/l	99
71) Bromoform	9.96	173	50539	51.956	ug/l #	99
73) Isopropylbenzene	10.17	105	314200	54.164	ug/l	99
74) N-amyl acetate	10.01	43	179407	53.429	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	121541	45.570	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	105010m	45.327	ug/l	
77) Bromobenzene	10.45	156	69377	48.941	ug/l	95
78) n-propylbenzene	10.59	91	388158	56.551	ug/l	99
79) 2-Chlorotoluene	10.66	91	224636	52.103	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	265630	55.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	41872m	57.839	ug/l	
82) 4-Chlorotoluene	10.77	91	262487	54.297	ug/l	98
83) tert-Butylbenzene	11.10	119	250859	52.988	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	271830	55.780	ug/l	99
85) sec-Butylbenzene	11.32	105	323296	55.943	ug/l	99
86) p-Isopropyltoluene	11.48	119	277103	51.080	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	130999	49.660	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	132912	46.230	ug/l	99
89) n-Butylbenzene	11.89	91	268069	50.948	ug/l	99
90) Hexachloroethane	12.15	117	51422	48.931	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	132046	47.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26875	49.393	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	86598	53.629	ug/l	98
94) Hexachlorobutadiene	13.69	225	44059	51.567	ug/l	99
95) Naphthalene	13.74	128	297302	47.188	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	90754	52.409	ug/l	99

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

