

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029260.D
 Acq On : 21 Jan 2019 19:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:40:34 AM

Quant Time: Jan 22 03:16:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	108193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	175900	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	166715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	68425	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	4.88	113	58152	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	7.56	98	208123	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
62) 4-Bromofluorobenzene	10.30	95	78342	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	48151	44.877	ug/l	100
3) Chloromethane	1.33	50	71641	41.717	ug/l	100
4) Vinyl Chloride	1.40	62	74094	46.860	ug/l	98
5) Bromomethane	1.61	94	38386	47.040	ug/l	99
6) Chloroethane	1.69	64	42989	45.645	ug/l	100
7) Trichlorofluoromethane	1.88	101	81324	47.200	ug/l	97
8) Diethyl Ether	2.10	74	38730	46.789	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	51679	44.828	ug/l	99
10) Methyl Iodide	2.41	142	59523	54.912	ug/l	98
11) Tert butyl alcohol	2.83	59	89693	263.829	ug/l	100
12) 1,1-Dichloroethene	2.28	96	48851	43.535	ug/l	94
13) Acrolein	2.19	56	62858	246.233	ug/l	99
14) Allyl chloride	2.59	41	110304m	53.575	ug/l	
15) Acrylonitrile	2.93	53	235721	282.620	ug/l	99
16) Acetone	2.32	43	191574	227.372	ug/l	98
17) Carbon Disulfide	2.48	76	155870	41.857	ug/l	100
18) Methyl Acetate	2.61	43	123417	62.997	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	203735	51.643	ug/l	99
20) Methylene Chloride	2.70	84	72726	50.839	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	60293	46.248	ug/l	94
22) Diisopropyl ether	3.57	45	221846	54.519	ug/l	99
23) Vinyl Acetate	3.52	43	908019	272.962	ug/l	99
24) 1,1-Dichloroethane	3.44	63	125531	53.440	ug/l	99
25) 2-Butanone	4.26	43	312631	274.720	ug/l	99
26) 2,2-Dichloropropane	4.23	77	95627	50.382	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	72835	51.081	ug/l	98
28) Bromochloromethane	4.55	49	53164	52.856	ug/l	95
29) Tetrahydrofuran	4.63	42	196669	284.939	ug/l	97
30) Chloroform	4.67	83	117351	52.450	ug/l	99
31) Cyclohexane	4.99	56	107375	48.387	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	96344	52.114	ug/l	99
36) 1,1-Dichloropropene	5.13	75	85902	48.858	ug/l	99
37) Ethyl Acetate	4.38	43	109217	56.592	ug/l	98
38) Carbon Tetrachloride	5.13	117	78185	53.317	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	104532	48.361	ug/l	99
40) Benzene	5.39	78	276403	50.399	ug/l	100
41) Methacrylonitrile	4.54	41	60623	58.684	ug/l	97
42) 1,2-Dichloroethane	5.40	62	90066	54.652	ug/l	99
43) Isopropyl Acetate	5.55	43	170247	57.507	ug/l	99
44) Trichloroethene	6.18	130	66436	48.891	ug/l	99
45) 1,2-Dichloropropane	6.43	63	78235	54.019	ug/l	99
46) Dibromomethane	6.56	93	48958	52.880	ug/l	97
47) Bromodichloromethane	6.76	83	92350	54.176	ug/l	99
48) Methyl methacrylate	6.62	41	85168	59.082	ug/l	98
49) 1,4-Dioxane	6.61	88	38931	1139.600	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	589019	292.350	ug/l	98
52) Toluene	7.63	92	160770	48.154	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	103773	50.678	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	114669	51.824	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	68787	51.428	ug/l	98
56) Ethyl methacrylate	8.02	69	107065	51.958	ug/l	94
57) 1,3-Dichloropropane	8.24	76	113503	49.593	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	248648	274.380	ug/l	98
59) 2-Hexanone	8.36	43	447187	282.757	ug/l	97
60) Dibromochloromethane	8.48	129	68590	51.762	ug/l	98
61) 1,2-Dibromoethane	8.58	107	72286	49.831	ug/l	100
64) Tetrachloroethene	8.22	164	50801	42.301	ug/l	97
65) Chlorobenzene	9.12	112	180199	48.221	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	58279	48.056	ug/l	98
67) Ethyl Benzene	9.25	91	297363	47.661	ug/l	99
68) m/p-Xylenes	9.37	106	233701	96.404	ug/l	98
69) o-Xylene	9.78	106	117014	50.096	ug/l	99
70) Styrene	9.79	104	191448	49.997	ug/l	99
71) Bromoform	9.95	173	52581	48.694	ug/l #	99
73) Isopropylbenzene	10.16	105	305609	50.172	ug/l	99
74) N-amyl acetate	10.01	43	144799	55.166	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.45	83	127438	52.201	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	102491m	50.830	ug/l	
77) Bromobenzene	10.45	156	77195	48.631	ug/l	96
78) n-propylbenzene	10.58	91	375228	52.271	ug/l	100
79) 2-Chlorotoluene	10.66	91	218408	50.156	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	262036	51.514	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	43718m	55.918	ug/l	
82) 4-Chlorotoluene	10.77	91	253989	50.867	ug/l	98
83) tert-Butylbenzene	11.10	119	261945	52.247	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	270569	53.277	ug/l	100
85) sec-Butylbenzene	11.32	105	325611	53.701	ug/l	99
86) p-Isopropyltoluene	11.47	119	278017	53.809	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	146074	50.169	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	141511	47.085	ug/l	99
89) n-Butylbenzene	11.89	91	254899	55.275	ug/l	99
90) Hexachloroethane	12.14	117	45055	51.835	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	138204	47.126	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	26754	56.978	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	92739	49.538	ug/l	100
94) Hexachlorobutadiene	13.69	225	46654	54.485	ug/l	99
95) Naphthalene	13.74	128	312876	49.130	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	99447	51.577	ug/l	99

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

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