

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029152.D
 Acq On : 14 Jan 2019 09:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:29:29 AM

Quant Time: Jan 14 22:52:29 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	124560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	195289	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94846	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	73730	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	4.88	113	64012	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	7.56	98	249865	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	10.30	95	90126	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	56558	45.786	ug/l	100
3) Chloromethane	1.33	50	78335	39.586	ug/l	99
4) Vinyl Chloride	1.40	62	82595	45.372	ug/l	99
5) Bromomethane	1.61	94	42970	45.649	ug/l	97
6) Chloroethane	1.69	64	49244	45.416	ug/l	99
7) Trichlorofluoromethane	1.88	101	92529	46.647	ug/l	100
8) Diethyl Ether	2.10	74	44242	46.425	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62341	46.971	ug/l	99
10) Methyl Iodide	2.41	142	51254	41.070	ug/l	99
11) Tert butyl alcohol	2.82	59	87124	222.598	ug/l	99
12) 1,1-Dichloroethene	2.28	96	59853	46.331	ug/l	99
13) Acrolein	2.19	56	72690	247.332	ug/l	99
14) Allyl chloride	2.59	41	102892	43.408	ug/l	90
15) Acrylonitrile	2.93	53	228930	238.412	ug/l	99
16) Acetone	2.32	43	236910	244.233	ug/l	99
17) Carbon Disulfide	2.48	76	186953	43.631	ug/l	99
18) Methyl Acetate	2.61	43	113135	50.161	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	215956	47.548	ug/l	99
20) Methylene Chloride	2.70	84	74618	45.307	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	68480	45.626	ug/l	100
22) Diisopropyl ether	3.57	45	229476	48.984	ug/l	98
23) Vinyl Acetate	3.52	43	933125	243.650	ug/l	99
24) 1,1-Dichloroethane	3.44	63	129991	48.067	ug/l	99
25) 2-Butanone	4.25	43	328382	250.644	ug/l	99
26) 2,2-Dichloropropane	4.22	77	108665	49.728	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	79340	48.331	ug/l	98
28) Bromochloromethane	4.54	49	55991	48.352	ug/l	100
29) Tetrahydrofuran	4.63	42	191629	241.156	ug/l	100
30) Chloroform	4.67	83	126396	49.070	ug/l	98
31) Cyclohexane	4.99	56	120047	46.956	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	103942	48.837	ug/l	100
36) 1,1-Dichloropropene	5.13	75	95486	48.917	ug/l	98
37) Ethyl Acetate	4.38	43	106493	49.702	ug/l	99
38) Carbon Tetrachloride	5.13	117	86318	53.019	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	122056	50.862	ug/l	98
40) Benzene	5.39	78	302773	49.726	ug/l	99
41) Methacrylonitrile	4.54	41	59098	51.528	ug/l	99
42) 1,2-Dichloroethane	5.40	62	94138	51.452	ug/l	100
43) Isopropyl Acetate	5.54	43	169779	51.655	ug/l	99
44) Trichloroethene	6.18	130	76441	50.669	ug/l	95
45) 1,2-Dichloropropane	6.43	63	81772	50.855	ug/l	97
46) Dibromomethane	6.56	93	52564	51.138	ug/l	100
47) Bromodichloromethane	6.75	83	99731	52.697	ug/l	99
48) Methyl methacrylate	6.62	41	84781	52.974	ug/l	99
49) 1,4-Dioxane	6.61	88	37913	999.615	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	568248	254.039	ug/l	99
52) Toluene	7.63	92	188427	50.834	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	116059	51.050	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	127473	51.891	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	76435	51.473	ug/l	99
56) Ethyl methacrylate	8.02	69	116998	51.141	ug/l	99
57) 1,3-Dichloropropane	8.24	76	130773	51.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	240060	238.602	ug/l	100
59) 2-Hexanone	8.36	43	450205	256.403	ug/l	100
60) Dibromochloromethane	8.47	129	78526	53.376	ug/l	100
61) 1,2-Dibromoethane	8.58	107	82036	50.937	ug/l	99
64) Tetrachloroethene	8.22	164	67163	50.940	ug/l	95
65) Chlorobenzene	9.12	112	204589	49.867	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	71240	53.507	ug/l	98
67) Ethyl Benzene	9.25	91	353155	51.558	ug/l	100
68) m/p-Xylenes	9.37	106	273301	102.690	ug/l	98
69) o-Xylene	9.78	106	133215	51.948	ug/l	99
70) Styrene	9.79	104	220371	52.421	ug/l	100
71) Bromoform	9.95	173	63740	53.766	ug/l #	99
73) Isopropylbenzene	10.16	105	346265	49.324	ug/l	99
74) N-amyl acetate	10.01	43	146111	48.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.45	83	133765	47.542	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	115753m	49.810	ug/l	
77) Bromobenzene	10.45	156	88950	48.621	ug/l	99
78) n-propylbenzene	10.58	91	424299	51.286	ug/l	100
79) 2-Chlorotoluene	10.66	91	243883	48.595	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	292853	49.954	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	44648m	49.551	ug/l	
82) 4-Chlorotoluene	10.77	91	284375	49.416	ug/l	99
83) tert-Butylbenzene	11.10	119	289532	50.108	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	298779	51.046	ug/l	100
85) sec-Butylbenzene	11.32	105	362478	51.870	ug/l	100
86) p-Isopropyltoluene	11.47	119	313340	52.620	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	162963	48.563	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	165411	47.754	ug/l	99
89) n-Butylbenzene	11.89	91	297992	56.068	ug/l	100
90) Hexachloroethane	12.14	117	50761	50.672	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	160900	47.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	27491	50.800	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	112751	52.258	ug/l	100
94) Hexachlorobutadiene	13.69	225	54648	55.375	ug/l	99
95) Naphthalene	13.74	128	360681	49.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	114423	51.492	ug/l	99

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

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