

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011219\
 Data File : VU029143.D
 Acq On : 11 Jan 2019 15:44
 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
 1/14/2019 10:58:57 AM

Quant Time: Jan 11 23:49:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	169319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	263076	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	255016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	133730	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	111186	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	4.88	113	93141	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
50) Toluene-d8	7.56	98	359389	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
62) 4-Bromofluorobenzene	10.30	95	129727	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	85258	50.774	ug/l	97
3) Chloromethane	1.33	50	121514	45.273	ug/l	100
4) Vinyl Chloride	1.40	62	123038	49.722	ug/l	99
5) Bromomethane	1.61	94	61501	48.235	ug/l	98
6) Chloroethane	1.69	64	73408	49.805	ug/l	100
7) Trichlorofluoromethane	1.88	101	136536	50.637	ug/l	99
8) Diethyl Ether	2.10	74	63474	48.999	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	93817	52.001	ug/l	99
10) Methyl Iodide	2.40	142	73932	43.582	ug/l	98
11) Tert butyl alcohol	2.83	59	119422	224.461	ug/l	100
12) 1,1-Dichloroethene	2.28	96	88037	50.133	ug/l	99
13) Acrolein	2.19	56	110446	276.458	ug/l	98
14) Allyl chloride	2.59	41	152160	47.224	ug/l	92
15) Acrylonitrile	2.93	53	337969	258.926	ug/l	99
16) Acetone	2.32	43	399700	303.129	ug/l	99
17) Carbon Disulfide	2.47	76	275978	47.430	ug/l	99
18) Methyl Acetate	2.61	43	166335	54.253	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	316015	51.186	ug/l	100
20) Methylene Chloride	2.70	84	110872	49.524	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	98440	48.249	ug/l	97
22) Diisopropyl ether	3.57	45	341411	53.613	ug/l	99
23) Vinyl Acetate	3.52	43	1378019	264.701	ug/l	100
24) 1,1-Dichloroethane	3.44	63	193961	52.762	ug/l	99
25) 2-Butanone	4.26	43	500384	280.967	ug/l	100
26) 2,2-Dichloropropane	4.22	77	157969	53.181	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	113898	51.042	ug/l	99
28) Bromochloromethane	4.55	49	84200	53.491	ug/l	98
29) Tetrahydrofuran	4.63	42	283038	262.032	ug/l	96
30) Chloroform	4.67	83	187483	53.545	ug/l	99
31) Cyclohexane	4.99	56	173836	50.096	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	151037	52.205	ug/l	97
36) 1,1-Dichloropropene	5.13	75	140501	53.431	ug/l	99
37) Ethyl Acetate	4.38	43	158464	54.901	ug/l	98
38) Carbon Tetrachloride	5.13	117	124378	56.711	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	170529	52.751	ug/l	100
40) Benzene	5.39	78	445519	54.316	ug/l	100
41) Methacrylonitrile	4.54	41	87614	56.707	ug/l	98
42) 1,2-Dichloroethane	5.40	62	142335	57.749	ug/l	99
43) Isopropyl Acetate	5.55	43	245749	55.503	ug/l	99
44) Trichloroethene	6.18	130	105983	52.149	ug/l	98
45) 1,2-Dichloropropane	6.43	63	122346	56.483	ug/l	99
46) Dibromomethane	6.56	93	77774	56.167	ug/l	98
47) Bromodichloromethane	6.75	83	146594	57.501	ug/l	100
48) Methyl methacrylate	6.62	41	123982	57.507	ug/l	98
49) 1,4-Dioxane	6.61	88	51510	1008.168	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	842999	279.760	ug/l	99
52) Toluene	7.63	92	271841	54.441	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	166646	54.414	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	181967	54.987	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	114474	57.225	ug/l	98
56) Ethyl methacrylate	8.02	69	166991	54.185	ug/l	97
57) 1,3-Dichloropropane	8.24	76	189141	55.257	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	383419	282.895	ug/l	99
59) 2-Hexanone	8.36	43	680736	287.798	ug/l	98
60) Dibromochloromethane	8.48	129	108550	54.772	ug/l	98
61) 1,2-Dibromoethane	8.58	107	118457	54.600	ug/l	99
64) Tetrachloroethene	8.22	164	97866	53.274	ug/l	98
65) Chlorobenzene	9.12	112	292022	51.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	101312	54.614	ug/l	99
67) Ethyl Benzene	9.25	91	505817	53.000	ug/l	100
68) m/p-Xylenes	9.37	106	395989	106.788	ug/l	100
69) o-Xylene	9.78	106	187467	52.468	ug/l	98
70) Styrene	9.79	104	322320	55.029	ug/l	99
71) Bromoform	9.95	173	86422	52.321	ug/l #	99
73) Isopropylbenzene	10.16	105	502563	50.772	ug/l	99
74) N-amyl acetate	10.01	43	215281	50.472	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	194747	49.090	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	166440m	50.797	ug/l	
77) Bromobenzene	10.45	156	127921	49.591	ug/l	98
78) n-propylbenzene	10.58	91	619052	53.069	ug/l	99
79) 2-Chlorotoluene	10.66	91	354085	50.039	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	427811	51.756	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	51797m	40.770	ug/l	
82) 4-Chlorotoluene	10.77	91	415083	51.157	ug/l	98
83) tert-Butylbenzene	11.10	119	408023	50.082	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	438422	53.125	ug/l	99
85) sec-Butylbenzene	11.32	105	518160	52.589	ug/l	100
86) p-Isopropyltoluene	11.48	119	451556	53.782	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	238603	50.430	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	238036	48.739	ug/l	99
89) n-Butylbenzene	11.89	91	433940	57.907	ug/l	99
90) Hexachloroethane	12.14	117	68859	48.751	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	236482	49.623	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	39399	51.636	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	159626	52.472	ug/l	100
94) Hexachlorobutadiene	13.69	225	78352	56.310	ug/l	99
95) Naphthalene	13.74	128	505649	48.861	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	159652	50.964	ug/l	99

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

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