

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033975.D
 Acq On : 27 Aug 2019 15:54
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:50 AM

Quant Time: Aug 28 02:20:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 01:57:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	357952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	529765	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	490222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	265279	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	196253	39.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.52%	
35) Dibromofluoromethane	4.86	113	177651	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	7.55	98	673050	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	10.29	95	235984	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	177814	43.819	ug/l 100
3) Chloromethane	1.32	50	162965	33.557	ug/l 100
4) Vinyl Chloride	1.40	62	167938	31.870	ug/l 100
5) Bromomethane	1.62	94	106193	36.790	ug/l 100
6) Chloroethane	1.69	64	99069	29.896	ug/l 100
7) Trichlorofluoromethane	1.87	101	231399	36.107	ug/l 100
8) Diethyl Ether	2.09	74	87154	32.092	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	153861	40.866	ug/l 100
10) Methyl Iodide	2.40	142	231659	55.215	ug/l 100
11) Tert butyl alcohol	2.87	59	242363	230.313	ug/l 100
12) 1,1-Dichloroethene	2.27	96	155330	40.204	ug/l 100
13) Acrolein	2.19	56	75590	132.414	ug/l 100
14) Allyl chloride	2.58	41	274349	39.430	ug/l 100
15) Acrylonitrile	2.93	53	518149	192.571	ug/l 100
16) Acetone	2.33	43	463735	159.914	ug/l 100
17) Carbon Disulfide	2.46	76	482084	37.992	ug/l 100
18) Methyl Acetate	2.61	43	228052	35.189	ug/l 100
19) Methyl tert-butyl Ether	2.98	73	534801	43.443	ug/l 100
20) Methylene Chloride	2.68	84	189436	39.683	ug/l 100
21) trans-1,2-Dichloroethene	2.96	96	177183	41.664	ug/l 100
22) Diisopropyl ether	3.55	45	517859	39.386	ug/l 100
23) Vinyl Acetate	3.50	43	2259469	208.597	ug/l 100
24) 1,1-Dichloroethane	3.42	63	318604	39.071	ug/l 100
25) 2-Butanone	4.25	43	691268	184.724	ug/l 100
26) 2,2-Dichloropropane	4.20	77	265912	40.070	ug/l 100
27) cis-1,2-Dichloroethene	4.20	96	195549	42.743	ug/l 100
28) Bromochloromethane	4.52	49	149745	37.508	ug/l 100
29) Tetrahydrofuran	4.62	42	431950	191.510	ug/l 100
30) Chloroform	4.65	83	314204	38.610	ug/l 100
31) Cyclohexane	4.97	56	282064	39.561	ug/l 100
32) 1,1,1-Trichloroethane	4.89	97	274747	41.130	ug/l 100
36) 1,1-Dichloropropene	5.11	75	235510	44.026	ug/l 100
37) Ethyl Acetate	4.36	43	252906	40.703	ug/l 100
38) Carbon Tetrachloride	5.11	117	243158	45.131	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	289279	48.531	ug/l	100
40) Benzene	5.37	78	712808	44.799	ug/l	100
41) Methacrylonitrile	4.52	41	131643	42.229	ug/l	100
42) 1,2-Dichloroethane	5.38	62	242295	41.665	ug/l	100
43) Isopropyl Acetate	5.53	43	375891	41.362	ug/l	100
44) Trichloroethene	6.16	130	201106	47.855	ug/l	100
45) 1,2-Dichloropropane	6.41	63	191930	43.742	ug/l	100
46) Dibromomethane	6.54	93	129654	45.542	ug/l	100
47) Bromodichloromethane	6.74	83	248895	43.579	ug/l	100
48) Methyl methacrylate	6.60	41	178506	43.715	ug/l	100
49) 1,4-Dioxane	6.65	88	105625	1095.358	ug/l #	100
51) 4-Methyl-2-Pentanone	7.44	43	1264860	205.510	ug/l	100
52) Toluene	7.62	92	452966	48.740	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	270476	45.718	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	304088	46.136	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	181042	44.426	ug/l	100
56) Ethyl methacrylate	8.00	69	276131	49.879	ug/l	100
57) 1,3-Dichloropropane	8.22	76	311222	44.175	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	545792	276.183	ug/l	100
59) 2-Hexanone	8.35	43	983232	209.487	ug/l	100
60) Dibromochloromethane	8.46	129	206805	48.079	ug/l	100
61) 1,2-Dibromoethane	8.57	107	197160	46.546	ug/l	100
64) Tetrachloroethene	8.21	164	198023	54.711	ug/l	100
65) Chlorobenzene	9.10	112	497794	49.196	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	187836	50.012	ug/l	100
67) Ethyl Benzene	9.23	91	850242	51.462	ug/l	100
68) m/p-Xylenes	9.36	106	664128	108.589	ug/l	100
69) o-Xylene	9.76	106	315795	53.984	ug/l	100
70) Styrene	9.77	104	552219	54.647	ug/l	100
71) Bromoform	9.94	173	163920	51.630	ug/l	100
73) Isopropylbenzene	10.15	105	854332	52.234	ug/l	100
74) N-amyl acetate	10.00	43	336110	48.937	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	288553	42.138	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	256904m	42.614	ug/l	
77) Bromobenzene	10.43	156	230430	52.203	ug/l	100
78) n-propylbenzene	10.57	91	974884	50.390	ug/l	100
79) 2-Chlorotoluene	10.64	91	569744	49.087	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	744394	53.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	96705m	43.893	ug/l	
82) 4-Chlorotoluene	10.76	91	666708	48.945	ug/l	100
83) tert-Butylbenzene	11.08	119	699049	53.350	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	740790	54.486	ug/l	100
85) sec-Butylbenzene	11.31	105	854066	52.174	ug/l	100
86) p-Isopropyltoluene	11.46	119	810816	54.345	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	413673	49.721	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	414103	48.198	ug/l	100
89) n-Butylbenzene	11.87	91	693121	52.072	ug/l	100
90) Hexachloroethane	12.12	117	128326	44.707	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	408622	51.191	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	65498	46.510	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	295407	61.301	ug/l	100
94) Hexachlorobutadiene	13.67	225	167820	55.293	ug/l	100
95) Naphthalene	13.73	128	837342	63.512	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	296517	61.214	ug/l	100

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

