

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034133.D
 Acq On : 31 Aug 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:31:52 AM

Quant Time: Sep 01 04:58:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	416732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	653447	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	631960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	338273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	259510	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	4.86	113	224288	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	7.55	98	866724	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	10.29	95	323387	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	205053	48.925	ug/l	100
3) Chloromethane	1.32	50	248754	44.199	ug/l	99
4) Vinyl Chloride	1.40	62	263363	47.213	ug/l	99
5) Bromomethane	1.61	94	145318	54.663	ug/l	100
6) Chloroethane	1.69	64	159218	46.688	ug/l	98
7) Trichlorofluoromethane	1.87	101	315183	48.764	ug/l	98
8) Diethyl Ether	2.09	74	138494	50.088	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	200335	48.926	ug/l	99
10) Methyl Iodide	2.40	142	180347	31.049	ug/l	98
11) Tert butyl alcohol	2.81	59	246078	199.840	ug/l	100
12) 1,1-Dichloroethene	2.27	96	203895	48.873	ug/l	99
13) Acrolein	2.18	56	88332	170.523	ug/l	100
14) Allyl chloride	2.58	41	374601m	47.757	ug/l	
15) Acrylonitrile	2.92	53	699291	247.482	ug/l	99
16) Acetone	2.31	43	558471	204.975	ug/l	99
17) Carbon Disulfide	2.46	76	578031	43.777	ug/l	99
18) Methyl Acetate	2.60	43	327562	46.524	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	702630	51.402	ug/l	100
20) Methylene Chloride	2.68	84	246858	47.860	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	221769	48.980	ug/l	99
22) Diisopropyl ether	3.55	45	741397	51.582	ug/l	98
23) Vinyl Acetate	3.50	43	3118097	252.537	ug/l	100
24) 1,1-Dichloroethane	3.42	63	429140	50.571	ug/l	100
25) 2-Butanone	4.23	43	902371	238.054	ug/l	99
26) 2,2-Dichloropropane	4.20	77	302154	43.759	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	253696	49.920	ug/l	98
28) Bromochloromethane	4.52	49	210783	50.417	ug/l	99
29) Tetrahydrofuran	4.61	42	579109	247.729	ug/l	99
30) Chloroform	4.65	83	412539	48.726	ug/l	100
31) Cyclohexane	4.97	56	365337	45.818	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	342701	49.422	ug/l	100
36) 1,1-Dichloropropene	5.11	75	307122	49.690	ug/l	98
37) Ethyl Acetate	4.36	43	331986	47.965	ug/l	99
38) Carbon Tetrachloride	5.11	117	297985	49.947	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	344064	47.230	ug/l	99
40) Benzene	5.37	78	932282	49.854	ug/l	100
41) Methacrylonitrile	4.52	41	182721	51.476	ug/l	100
42) 1,2-Dichloroethane	5.38	62	322562	49.952	ug/l	98
43) Isopropyl Acetate	5.53	43	520425	49.424	ug/l	100
44) Trichloroethene	6.17	130	251981	51.313	ug/l	95
45) 1,2-Dichloropropane	6.41	63	260437	50.593	ug/l	99
46) Dibromomethane	6.54	93	165075	49.774	ug/l	100
47) Bromodichloromethane	6.74	83	328531	50.632	ug/l	100
48) Methyl methacrylate	6.60	41	251176	49.433	ug/l	98
49) 1,4-Dioxane	6.59	88	96689	759.466	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1748825	240.489	ug/l	99
52) Toluene	7.62	92	591248	51.325	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	353772	49.137	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	394180	50.114	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	241747	49.612	ug/l	99
56) Ethyl methacrylate	8.00	69	363469	45.067	ug/l	99
57) 1,3-Dichloropropane	8.22	76	414551	50.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	622357	230.867	ug/l	98
59) 2-Hexanone	8.34	43	1323520	241.093	ug/l	100
60) Dibromochloromethane	8.46	129	264028	50.478	ug/l	99
61) 1,2-Dibromoethane	8.57	107	251012	48.902	ug/l	100
64) Tetrachloroethene	8.21	164	227308	53.560	ug/l	97
65) Chlorobenzene	9.10	112	656296	50.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	230844	48.951	ug/l	99
67) Ethyl Benzene	9.23	91	1124983	51.030	ug/l	99
68) m/p-Xylenes	9.36	106	871667	103.986	ug/l	100
69) o-Xylene	9.76	106	414033	51.483	ug/l	99
70) Styrene	9.77	104	736467	53.409	ug/l	100
71) Bromoform	9.94	173	198066	48.341	ug/l #	99
73) Isopropylbenzene	10.15	105	1122126	49.386	ug/l	100
74) N-amyl acetate	10.00	43	472970	49.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	399028	45.883	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	349655m	45.862	ug/l	
77) Bromobenzene	10.43	156	295458	48.339	ug/l	99
78) n-propylbenzene	10.57	91	1321167	49.928	ug/l	100
79) 2-Chlorotoluene	10.64	91	768169	48.398	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	968489	50.290	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	87533m	38.660	ug/l	
82) 4-Chlorotoluene	10.75	91	905142	49.587	ug/l	99
83) tert-Butylbenzene	11.08	119	912137	48.113	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	978098	51.148	ug/l	99
85) sec-Butylbenzene	11.31	105	1111265	48.907	ug/l	100
86) p-Isopropyltoluene	11.46	119	1027983	50.022	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	536309	49.563	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	536977	49.069	ug/l	99
89) n-Butylbenzene	11.87	91	923552	50.973	ug/l	100
90) Hexachloroethane	12.13	117	151494	42.638	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	528091	50.947	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	81545	47.066	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	367672	49.871	ug/l	99
94) Hexachlorobutadiene	13.67	225	168424	41.536	ug/l	98
95) Naphthalene	13.72	128	1083157	51.253	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	364853	54.948	ug/l	100

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

