

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034547.D
 Acq On : 13 Sep 2019 01:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:15:44 AM

Quant Time: Sep 13 08:33:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	228714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	334103	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	333205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	228242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	185036	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
35) Dibromofluoromethane	4.86	113	168883	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
50) Toluene-d8	7.54	98	626625	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
62) 4-Bromofluorobenzene	10.29	95	245772	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	120189	50.246	ug/l	99
3) Chloromethane	1.32	50	139805	54.105	ug/l	97
4) Vinyl Chloride	1.40	62	150285	50.419	ug/l	98
5) Bromomethane	1.61	94	93536	62.930	ug/l	99
6) Chloroethane	1.68	64	96820	56.006	ug/l	96
7) Trichlorofluoromethane	1.87	101	217658	54.460	ug/l	100
8) Diethyl Ether	2.09	74	99100	56.371	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	143967	54.387	ug/l	99
10) Methyl Iodide	2.40	142	134662	55.173	ug/l	99
11) Tert butyl alcohol	2.81	59	237916	325.431	ug/l	98
12) 1,1-Dichloroethene	2.27	96	135914	54.619	ug/l	95
13) Acrolein	2.18	56	130663	212.645	ug/l	100
14) Allyl chloride	2.58	41	252825m	53.144	ug/l	
15) Acrylonitrile	2.92	53	535781	294.295	ug/l	98
16) Acetone	2.31	43	433084	241.839	ug/l	100
17) Carbon Disulfide	2.46	76	251755	45.014	ug/l	100
18) Methyl Acetate	2.60	43	245939	56.441	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	549943	60.632	ug/l	98
20) Methylene Chloride	2.68	84	175665	59.968	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	141540	53.975	ug/l	97
22) Diisopropyl ether	3.55	45	555768	59.904	ug/l	99
23) Vinyl Acetate	3.50	43	2255823	298.501	ug/l	99
24) 1,1-Dichloroethane	3.42	63	311772	56.271	ug/l	99
25) 2-Butanone	4.24	43	697261	291.683	ug/l	99
26) 2,2-Dichloropropane	4.20	77	202453	45.433	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	187458	58.859	ug/l	96
28) Bromochloromethane	4.52	49	149543	58.681	ug/l	98
29) Tetrahydrofuran	4.61	42	437506	300.770	ug/l	100
30) Chloroform	4.65	83	317467	56.371	ug/l	99
31) Cyclohexane	4.97	56	209961	51.799	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	257655	57.222	ug/l	98
36) 1,1-Dichloropropene	5.12	75	197584	54.530	ug/l	99
37) Ethyl Acetate	4.36	43	249482	58.236	ug/l	99
38) Carbon Tetrachloride	5.11	117	221443	57.238	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	206785	53.386	ug/l	98
40) Benzene	5.37	78	660689	56.509	ug/l	99
41) Methacrylonitrile	4.52	41	141211	61.882	ug/l	100
42) 1,2-Dichloroethane	5.38	62	231306	56.982	ug/l	100
43) Isopropyl Acetate	5.53	43	400436	59.918	ug/l	99
44) Trichloroethene	6.16	130	183557	56.735	ug/l	99
45) 1,2-Dichloropropane	6.41	63	196771	57.569	ug/l	98
46) Dibromomethane	6.54	93	123524	57.574	ug/l	98
47) Bromodichloromethane	6.73	83	255321	57.813	ug/l	98
48) Methyl methacrylate	6.60	41	187220	58.983	ug/l	98
49) 1,4-Dioxane	6.59	88	89748	1294.838	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1401046	302.866	ug/l	99
52) Toluene	7.62	92	426202	58.111	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	263267	57.506	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	290139	57.744	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	195983	58.848	ug/l	99
56) Ethyl methacrylate	8.00	69	286369	56.192	ug/l	99
57) 1,3-Dichloropropane	8.22	76	317465	58.541	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	428441	250.266	ug/l	100
59) 2-Hexanone	8.34	43	1053128	304.739	ug/l	100
60) Dibromochloromethane	8.45	129	221718	62.069	ug/l	99
61) 1,2-Dibromoethane	8.57	107	191555	58.766	ug/l	99
64) Tetrachloroethene	8.21	164	169183	58.526	ug/l	98
65) Chlorobenzene	9.10	112	499284	59.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	192295	59.605	ug/l	100
67) Ethyl Benzene	9.23	91	828552	59.944	ug/l	99
68) m/p-Xylenes	9.35	106	650666	125.012	ug/l	99
69) o-Xylene	9.76	106	318519	62.576	ug/l	99
70) Styrene	9.77	104	580036	64.995	ug/l	99
71) Bromoform	9.94	173	172493	61.693	ug/l #	99
73) Isopropylbenzene	10.14	105	879780	59.231	ug/l	99
74) N-amyl acetate	9.99	43	365445	61.122	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	338628	56.322	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	289642m	58.136	ug/l	
77) Bromobenzene	10.43	156	240728	57.962	ug/l	98
78) n-propylbenzene	10.57	91	1006948	58.700	ug/l	100
79) 2-Chlorotoluene	10.64	91	612271	58.496	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	757833	61.005	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	68915m	46.518	ug/l	
82) 4-Chlorotoluene	10.75	91	710857	59.016	ug/l	100
83) tert-Butylbenzene	11.08	119	742806	59.772	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	764468	61.135	ug/l	100
85) sec-Butylbenzene	11.30	105	881380	60.075	ug/l	100
86) p-Isopropyltoluene	11.45	119	815211	60.201	ug/l	100
87) 1,3-Dichlorobenzene	11.39	146	436973	57.658	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	440293	55.699	ug/l	100
89) n-Butylbenzene	11.86	91	694102	58.983	ug/l	100
90) Hexachloroethane	12.12	117	122239	56.423	ug/l	98
91) 1,2-Dichlorobenzene	11.85	146	433029	58.139	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	67970	61.522	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	297809	54.777	ug/l	99
94) Hexachlorobutadiene	13.67	225	130962	50.266	ug/l	99
95) Naphthalene	13.72	128	861916	56.132	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	298488	56.828	ug/l	98

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

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