

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029171.D
 Acq On : 15 Jan 2019 09:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:41:49 AM

Quant Time: Jan 16 04:42:52 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	119347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	186740	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	175681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	91384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	73307	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	4.88	113	63661	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	7.56	98	244294	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	10.30	95	88225	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54849	46.342	ug/l	99
3) Chloromethane	1.33	50	79220	41.821	ug/l	99
4) Vinyl Chloride	1.40	62	80132	45.942	ug/l	99
5) Bromomethane	1.61	94	42696	47.459	ug/l	98
6) Chloroethane	1.69	64	48689	46.865	ug/l	100
7) Trichlorofluoromethane	1.88	101	89712	47.202	ug/l	99
8) Diethyl Ether	2.10	74	43550	47.695	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61185	48.114	ug/l	100
10) Methyl Iodide	2.41	142	61044	51.052	ug/l	98
11) Tert butyl alcohol	2.83	59	89808	239.478	ug/l	100
12) 1,1-Dichloroethene	2.28	96	57728	46.638	ug/l	99
13) Acrolein	2.19	56	67290	238.959	ug/l	98
14) Allyl chloride	2.59	41	101147	44.536	ug/l	90
15) Acrylonitrile	2.93	53	233197	253.464	ug/l	99
16) Acetone	2.32	43	267314	287.614	ug/l	100
17) Carbon Disulfide	2.48	76	181305	44.168	ug/l	100
18) Methyl Acetate	2.61	43	116731	54.016	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	212773	48.893	ug/l	99
20) Methylene Chloride	2.70	84	74255	47.056	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	67069	46.637	ug/l	99
22) Diisopropyl ether	3.57	45	223932	49.889	ug/l	100
23) Vinyl Acetate	3.52	43	918517	250.312	ug/l	100
24) 1,1-Dichloroethane	3.44	63	130199	50.247	ug/l	100
25) 2-Butanone	4.25	43	344998	274.829	ug/l	99
26) 2,2-Dichloropropane	4.22	77	106854	51.035	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	76745	48.793	ug/l	98
28) Bromochloromethane	4.54	49	56111	50.572	ug/l	100
29) Tetrahydrofuran	4.63	42	191601	251.653	ug/l	99
30) Chloroform	4.67	83	125163	50.714	ug/l	98
31) Cyclohexane	4.99	56	116748	47.678	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	100573	49.318	ug/l	97
36) 1,1-Dichloropropene	5.13	75	95995	51.429	ug/l	98
37) Ethyl Acetate	4.38	43	107253	52.348	ug/l	99
38) Carbon Tetrachloride	5.13	117	85054	54.634	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	116420	50.735	ug/l	99
40) Benzene	5.39	78	295646	50.778	ug/l	100
41) Methacrylonitrile	4.54	41	59859	54.580	ug/l	99
42) 1,2-Dichloroethane	5.40	62	93297	53.327	ug/l	99
43) Isopropyl Acetate	5.54	43	168451	53.597	ug/l	100
44) Trichloroethene	6.18	130	73594	51.015	ug/l	97
45) 1,2-Dichloropropane	6.43	63	81282	52.865	ug/l	100
46) Dibromomethane	6.56	93	51420	52.315	ug/l	99
47) Bromodichloromethane	6.75	83	97848	54.069	ug/l	98
48) Methyl methacrylate	6.62	41	84294	55.081	ug/l	100
49) 1,4-Dioxane	6.61	88	39533	1090.046	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	574686	268.679	ug/l	99
52) Toluene	7.63	92	184488	52.050	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112732	51.857	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	124042	52.806	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	76555	53.914	ug/l	98
56) Ethyl methacrylate	8.02	69	114625	52.398	ug/l	98
57) 1,3-Dichloropropane	8.24	76	127661	52.542	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	230148	239.223	ug/l	99
59) 2-Hexanone	8.36	43	464104	276.419	ug/l	99
60) Dibromochloromethane	8.47	129	75987	54.015	ug/l	99
61) 1,2-Dibromoethane	8.58	107	80201	52.078	ug/l	100
64) Tetrachloroethene	8.22	164	65435	51.706	ug/l	94
65) Chlorobenzene	9.12	112	198214	50.334	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	68429	53.546	ug/l	99
67) Ethyl Benzene	9.25	91	344649	52.421	ug/l	100
68) m/p-Xylenes	9.37	106	266189	104.201	ug/l	99
69) o-Xylene	9.78	106	130773	53.129	ug/l	98
70) Styrene	9.79	104	216074	53.549	ug/l	100
71) Bromoform	9.95	173	61545	54.086	ug/l #	100
73) Isopropylbenzene	10.16	105	340485	50.338	ug/l	99
74) N-amyl acetate	10.01	43	145354	49.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	132278	48.795	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	116310m	51.946	ug/l	
77) Bromobenzene	10.45	156	88320	50.105	ug/l	99
78) n-propylbenzene	10.58	91	418355	52.483	ug/l	99
79) 2-Chlorotoluene	10.66	91	237169	49.048	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	289546	51.261	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	36958m	42.570	ug/l	
82) 4-Chlorotoluene	10.77	91	277485	50.045	ug/l	100
83) tert-Butylbenzene	11.10	119	282451	50.734	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	294955	52.302	ug/l	99
85) sec-Butylbenzene	11.32	105	356686	52.975	ug/l	100
86) p-Isopropyltoluene	11.47	119	307832	53.653	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	160488	49.638	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	163860	49.098	ug/l	98
89) n-Butylbenzene	11.89	91	294534	57.517	ug/l	100
90) Hexachloroethane	12.14	117	48907	50.671	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	159160	48.874	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	26849	51.494	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	110861	53.329	ug/l	98
94) Hexachlorobutadiene	13.69	225	53244	55.997	ug/l	99
95) Naphthalene	13.74	128	352088	49.788	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	110470	51.595	ug/l	99

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

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