

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029102.D
 Acq On : 09 Jan 2019 20:16
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:38:40 AM

Quant Time: Jan 10 05:50:32 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	111239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	185444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	73017	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	4.88	113	61089	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	7.56	98	236196	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	10.30	95	84387	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54917	49.781	ug/l	99
3) Chloromethane	1.33	50	85562	48.574	ug/l	99
4) Vinyl Chloride	1.40	62	81808	50.322	ug/l	97
5) Bromomethane	1.61	94	42383	50.755	ug/l	100
6) Chloroethane	1.69	64	48492	50.078	ug/l	99
7) Trichlorofluoromethane	1.88	101	85972	48.532	ug/l	100
8) Diethyl Ether	2.10	74	40642	47.755	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.28	101	57619	48.612	ug/l	99
10) Methyl Iodide	2.41	142	60066	53.895	ug/l	99
11) Tert butyl alcohol	2.83	59	91741	262.463	ug/l	99
12) 1,1-Dichloroethene	2.28	96	57559	49.891	ug/l	97
13) Acrolein	2.19	56	62527	238.229	ug/l	99
14) Allyl chloride	2.59	41	99058	46.795	ug/l	92
15) Acrylonitrile	2.93	53	235724	274.885	ug/l	99
16) Acetone	2.32	43	185129	213.706	ug/l	99
17) Carbon Disulfide	2.47	76	180485	47.212	ug/l	99
18) Methyl Acetate	2.61	43	116987	58.080	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	203181	50.092	ug/l	99
20) Methylene Chloride	2.70	84	72033	48.975	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	63808	47.604	ug/l	95
22) Diisopropyl ether	3.57	45	224796	53.731	ug/l	97
23) Vinyl Acetate	3.52	43	933736	273.006	ug/l	99
24) 1,1-Dichloroethane	3.44	63	126764	52.487	ug/l	99
25) 2-Butanone	4.26	43	314581	268.864	ug/l	100
26) 2,2-Dichloropropane	4.22	77	90712	46.484	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	74176	50.597	ug/l	99
28) Bromochloromethane	4.55	49	55173	53.351	ug/l	95
29) Tetrahydrofuran	4.64	42	200738	282.871	ug/l	98
30) Chloroform	4.67	83	121351	52.753	ug/l	98
31) Cyclohexane	4.99	56	114799	50.362	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	97083	51.076	ug/l	99
36) 1,1-Dichloropropene	5.13	75	89022	48.027	ug/l	99
37) Ethyl Acetate	4.38	43	111739	54.919	ug/l	99
38) Carbon Tetrachloride	5.13	117	78408	50.717	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	107897	47.349	ug/l	100
40) Benzene	5.39	78	287767	49.771	ug/l	100
41) Methacrylonitrile	4.54	41	60727	55.759	ug/l	98
42) 1,2-Dichloroethane	5.40	62	91818	52.848	ug/l	100
43) Isopropyl Acetate	5.55	43	169254	54.229	ug/l	99
44) Trichloroethene	6.18	130	67093	46.833	ug/l	99
45) 1,2-Dichloropropane	6.43	63	78892	51.669	ug/l	98
46) Dibromomethane	6.56	93	49373	50.583	ug/l	99
47) Bromodichloromethane	6.76	83	92618	51.537	ug/l	98
48) Methyl methacrylate	6.62	41	86596	56.981	ug/l	97
49) 1,4-Dioxane	6.61	88	38947	1081.394	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	591140	278.303	ug/l	99
52) Toluene	7.64	92	173218	49.212	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	106794	49.469	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118692	50.881	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	71570	50.755	ug/l	98
56) Ethyl methacrylate	8.02	69	112925	51.981	ug/l	97
57) 1,3-Dichloropropane	8.24	76	124797	51.722	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	272029	284.731	ug/l	99
59) 2-Hexanone	8.36	43	458842	275.195	ug/l	98
60) Dibromochloromethane	8.48	129	69932	50.058	ug/l	97
61) 1,2-Dibromoethane	8.58	107	78353	51.233	ug/l	98
64) Tetrachloroethene	8.22	164	58464	47.208	ug/l	95
65) Chlorobenzene	9.12	112	185924	48.246	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	64673	51.714	ug/l	99
67) Ethyl Benzene	9.25	91	320833	49.866	ug/l	99
68) m/p-Xylenes	9.37	106	253314	101.331	ug/l	99
69) o-Xylene	9.78	106	123457	51.254	ug/l	99
70) Styrene	9.79	104	201858	51.120	ug/l	99
71) Bromoform	9.95	173	57457	51.598	ug/l #	98
73) Isopropylbenzene	10.16	105	316119	48.099	ug/l	99
74) N-amyl acetate	10.01	43	150267	53.059	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	130437	49.519	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	110714m	50.889	ug/l	
77) Bromobenzene	10.45	156	80900	47.234	ug/l	99
78) n-propylbenzene	10.58	91	385348	49.752	ug/l	99
79) 2-Chlorotoluene	10.66	91	226022	48.106	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	272033	49.565	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	38140m	45.213	ug/l	
82) 4-Chlorotoluene	10.77	91	256363	47.585	ug/l	99
83) tert-Butylbenzene	11.10	119	264060	48.814	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	273086	49.837	ug/l	100
85) sec-Butylbenzene	11.32	105	324379	49.582	ug/l	99
86) p-Isopropyltoluene	11.48	119	278336	49.927	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	145908	46.445	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	148680	45.849	ug/l	99
89) n-Butylbenzene	11.89	91	258001	51.852	ug/l	100
90) Hexachloroethane	12.14	117	46811	49.914	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	146962	46.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26693	52.688	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	96351	47.701	ug/l	100
94) Hexachlorobutadiene	13.69	225	46197	50.003	ug/l	98
95) Naphthalene	13.74	128	331191	48.199	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	100173	48.202	ug/l	100

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

