

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029195.D
 Acq On : 16 Jan 2019 09:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:43:26 AM

Quant Time: Jan 17 01:03:33 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	115210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	177986	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	172202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72952	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	4.88	113	63147	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
50) Toluene-d8	7.56	98	242622	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	10.30	95	88469	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	52181	45.671	ug/l	99
3) Chloromethane	1.33	50	75158	41.089	ug/l	100
4) Vinyl Chloride	1.40	62	77080	45.779	ug/l	99
5) Bromomethane	1.61	94	41980	48.398	ug/l	98
6) Chloroethane	1.68	64	45322	45.191	ug/l	100
7) Trichlorofluoromethane	1.88	101	86617	47.210	ug/l	100
8) Diethyl Ether	2.10	74	41040	46.560	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58438	47.604	ug/l	98
10) Methyl Iodide	2.41	142	59394	51.456	ug/l	99
11) Tert butyl alcohol	2.83	59	87831	242.616	ug/l	99
12) 1,1-Dichloroethene	2.28	96	54166	45.331	ug/l	95
13) Acrolein	2.19	56	60281	221.756	ug/l	99
14) Allyl chloride	2.59	41	97681	44.554	ug/l	90
15) Acrylonitrile	2.93	53	223528	251.678	ug/l	99
16) Acetone	2.32	43	254340	283.481	ug/l	97
17) Carbon Disulfide	2.47	76	174223	43.964	ug/l	99
18) Methyl Acetate	2.61	43	113563	54.437	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	206569	49.172	ug/l	97
20) Methylene Chloride	2.70	84	72358	47.501	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	64419	46.403	ug/l	96
22) Diisopropyl ether	3.57	45	221875	51.205	ug/l	98
23) Vinyl Acetate	3.52	43	900998	254.355	ug/l	99
24) 1,1-Dichloroethane	3.44	63	126831	50.705	ug/l	100
25) 2-Butanone	4.26	43	329028	271.519	ug/l	98
26) 2,2-Dichloropropane	4.22	77	102638	50.782	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	76159	50.159	ug/l	99
28) Bromochloromethane	4.54	49	55836	52.131	ug/l	97
29) Tetrahydrofuran	4.63	42	184074	250.448	ug/l	99
30) Chloroform	4.67	83	122782	51.535	ug/l	98
31) Cyclohexane	4.99	56	111355	47.095	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	98218	49.892	ug/l	98
36) 1,1-Dichloropropene	5.13	75	92557	52.026	ug/l	98
37) Ethyl Acetate	4.38	43	104889	53.712	ug/l	99
38) Carbon Tetrachloride	5.13	117	80734	54.410	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	111772	51.105	ug/l	98
40) Benzene	5.39	78	285401	51.430	ug/l	98
41) Methacrylonitrile	4.54	41	58188	55.666	ug/l	99
42) 1,2-Dichloroethane	5.40	62	91286	54.743	ug/l	100
43) Isopropyl Acetate	5.54	43	162339	54.193	ug/l	99
44) Trichloroethene	6.18	130	68801	50.038	ug/l	100
45) 1,2-Dichloropropane	6.43	63	79229	54.064	ug/l	99
46) Dibromomethane	6.56	93	50586	53.998	ug/l	98
47) Bromodichloromethane	6.75	83	96547	55.975	ug/l	99
48) Methyl methacrylate	6.62	41	81347	55.770	ug/l	99
49) 1,4-Dioxane	6.61	88	41380	1197.091	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	560152	274.764	ug/l	99
52) Toluene	7.63	92	177257	52.469	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	110152	53.162	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	121336	54.194	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	73421	54.250	ug/l	98
56) Ethyl methacrylate	8.02	69	112167	53.796	ug/l	97
57) 1,3-Dichloropropane	8.24	76	125845	54.342	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	240514	262.293	ug/l	99
59) 2-Hexanone	8.36	43	455486	284.629	ug/l	99
60) Dibromochloromethane	8.47	129	73154	54.559	ug/l	97
61) 1,2-Dibromoethane	8.58	107	77398	52.730	ug/l	99
64) Tetrachloroethene	8.22	164	62760	50.594	ug/l	97
65) Chlorobenzene	9.12	112	194391	50.361	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	67433	53.832	ug/l	100
67) Ethyl Benzene	9.25	91	336160	52.163	ug/l	99
68) m/p-Xylenes	9.37	106	260939	104.210	ug/l	99
69) o-Xylene	9.78	106	125643	52.076	ug/l	99
70) Styrene	9.79	104	211875	53.569	ug/l	99
71) Bromoform	9.96	173	58908	52.815	ug/l #	96
73) Isopropylbenzene	10.16	105	331063	48.610	ug/l	99
74) N-amyl acetate	10.01	43	144136	49.113	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	131764	48.273	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	105931m	46.987	ug/l	
77) Bromobenzene	10.45	156	84286	47.490	ug/l	98
78) n-propylbenzene	10.58	91	405244	50.491	ug/l	99
79) 2-Chlorotoluene	10.66	91	234205	48.104	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	284266	49.982	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	45587m	52.150	ug/l	
82) 4-Chlorotoluene	10.77	91	275385	49.327	ug/l	100
83) tert-Butylbenzene	11.10	119	275018	49.061	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	288151	50.746	ug/l	100
85) sec-Butylbenzene	11.32	105	347995	51.331	ug/l	100
86) p-Isopropyltoluene	11.47	119	303305	52.503	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	157741	48.455	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	158318	47.114	ug/l	99
89) n-Butylbenzene	11.89	91	292619	56.752	ug/l	100
90) Hexachloroethane	12.14	117	49290	50.718	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	155959	47.563	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	26324	50.141	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	108156	51.672	ug/l	99
94) Hexachlorobutadiene	13.69	225	53688	56.078	ug/l	99
95) Naphthalene	13.74	128	339254	47.645	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	108361	50.284	ug/l	99

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

