

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029129.D
 Acq On : 10 Jan 2019 19:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:03:59 AM

Quant Time: Jan 11 04:16:52 2019
 Quant Method : Z:\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	125170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	207685	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	97541	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	77688	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	4.88	113	67284	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	7.56	98	256721	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	10.30	95	91582	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	59086	47.599	ug/l	100
3) Chloromethane	1.33	50	84203	42.393	ug/l	98
4) Vinyl Chloride	1.40	62	86580	47.330	ug/l	99
5) Bromomethane	1.61	94	41526	43.776	ug/l	100
6) Chloroethane	1.69	64	53421	49.028	ug/l	99
7) Trichlorofluoromethane	1.88	101	96022	48.172	ug/l	98
8) Diethyl Ether	2.10	74	47776	49.889	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	63363	47.508	ug/l	99
10) Methyl Iodide	2.41	142	50630	40.373	ug/l	99
11) Tert butyl alcohol	2.83	59	104566	265.860	ug/l	98
12) 1,1-Dichloroethene	2.28	96	62292	47.984	ug/l	97
13) Acrolein	2.19	56	65586	222.073	ug/l	100
14) Allyl chloride	2.59	41	107600	45.173	ug/l	90
15) Acrylonitrile	2.93	53	257282	266.633	ug/l	100
16) Acetone	2.32	43	201001	206.204	ug/l	100
17) Carbon Disulfide	2.47	76	197597	45.920	ug/l	100
18) Methyl Acetate	2.61	43	126718	55.909	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	232159	50.866	ug/l	98
20) Methylene Chloride	2.70	84	80814	48.830	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	70496	46.740	ug/l	97
22) Diisopropyl ether	3.57	45	245767	52.206	ug/l	98
23) Vinyl Acetate	3.52	43	1006889	261.630	ug/l	100
24) 1,1-Dichloroethane	3.44	63	140245	51.606	ug/l	100
25) 2-Butanone	4.26	43	337785	256.565	ug/l	99
26) 2,2-Dichloropropane	4.22	77	102600	46.724	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	82387	49.943	ug/l	98
28) Bromochloromethane	4.55	49	60664	52.132	ug/l	97
29) Tetrahydrofuran	4.63	42	220185	275.742	ug/l	99
30) Chloroform	4.67	83	132120	51.042	ug/l	99
31) Cyclohexane	4.99	56	125493	48.893	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	106877	49.971	ug/l	99
36) 1,1-Dichloropropene	5.13	75	97455	46.946	ug/l	100
37) Ethyl Acetate	4.38	43	122305	53.675	ug/l	100
38) Carbon Tetrachloride	5.13	117	86532	49.978	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	122102	47.845	ug/l	98
40) Benzene	5.39	78	316552	48.886	ug/l	100
41) Methacrylonitrile	4.54	41	66215	54.287	ug/l	100
42) 1,2-Dichloroethane	5.40	62	99983	51.385	ug/l	99
43) Isopropyl Acetate	5.55	43	186941	53.482	ug/l	99
44) Trichloroethene	6.18	130	76134	47.453	ug/l	98
45) 1,2-Dichloropropane	6.43	63	86683	50.692	ug/l	100
46) Dibromomethane	6.56	93	54253	49.631	ug/l	99
47) Bromodichloromethane	6.76	83	101300	50.332	ug/l	99
48) Methyl methacrylate	6.62	41	92388	54.281	ug/l	99
49) 1,4-Dioxane	6.61	88	42595	1056.030	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	636756	267.675	ug/l	99
52) Toluene	7.63	92	194144	49.250	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	118126	48.858	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	130230	49.849	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	79235	50.173	ug/l	97
56) Ethyl methacrylate	8.02	69	126982	52.192	ug/l	97
57) 1,3-Dichloropropane	8.24	76	137685	50.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	284606	265.994	ug/l	99
59) 2-Hexanone	8.36	43	496691	265.994	ug/l	100
60) Dibromochloromethane	8.48	129	77593	49.594	ug/l	100
61) 1,2-Dibromoethane	8.58	107	84818	49.521	ug/l	99
64) Tetrachloroethene	8.22	164	68509	48.598	ug/l	97
65) Chlorobenzene	9.12	112	208761	47.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	70290	49.376	ug/l	99
67) Ethyl Benzene	9.25	91	363835	49.679	ug/l	100
68) m/p-Xylenes	9.37	106	281813	99.034	ug/l	99
69) o-Xylene	9.78	106	137262	50.062	ug/l	99
70) Styrene	9.79	104	226720	50.440	ug/l	100
71) Bromoform	9.95	173	62159	49.039	ug/l #	100
73) Isopropylbenzene	10.16	105	356645	49.399	ug/l	100
74) N-amyl acetate	10.01	43	162244	52.150	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	142152	49.127	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	121094m	50.669	ug/l	
77) Bromobenzene	10.45	156	90450	48.075	ug/l	99
78) n-propylbenzene	10.58	91	426531	50.131	ug/l	100
79) 2-Chlorotoluene	10.66	91	250271	48.490	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	300114	49.778	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	38224m	41.249	ug/l	
82) 4-Chlorotoluene	10.77	91	286528	48.414	ug/l	99
83) tert-Butylbenzene	11.10	119	293600	49.408	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	306984	50.999	ug/l	99
85) sec-Butylbenzene	11.32	105	366774	51.035	ug/l	100
86) p-Isopropyltoluene	11.47	119	311572	50.877	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	161901	46.914	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	162716	45.678	ug/l	100
89) n-Butylbenzene	11.89	91	286921	52.494	ug/l	99
90) Hexachloroethane	12.14	117	47681	46.282	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	163421	47.015	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29878	53.686	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	109868	49.515	ug/l	99
94) Hexachlorobutadiene	13.69	225	51269	50.516	ug/l	99
95) Naphthalene	13.74	128	378343	50.124	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	114899	50.296	ug/l	99

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

