

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU029000.D
 Acq On : 03 Jan 2019 16:18
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 9:51:16 AM

Quant Time: Jan 04 03:52:48 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	135532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	221048	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	205542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	105083	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	82377	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	4.88	113	71605	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	7.56	98	281076	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	10.30	95	101299	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	65254	48.549	ug/l	100
3) Chloromethane	1.33	50	101065	47.069	ug/l	98
4) Vinyl Chloride	1.40	62	94898	47.911	ug/l	98
5) Bromomethane	1.60	94	54803	54.063	ug/l	99
6) Chloroethane	1.68	64	56592	47.967	ug/l	100
7) Trichlorofluoromethane	1.88	101	102492	47.487	ug/l	98
8) Diethyl Ether	2.10	74	49189	47.438	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	70730	48.977	ug/l	98
10) Methyl Iodide	2.40	142	69499	51.182	ug/l	100
11) Tert butyl alcohol	2.83	59	98548	231.403	ug/l	99
12) 1,1-Dichloroethene	2.28	96	70121	49.885	ug/l	96
13) Acrolein	2.19	56	71246	222.794	ug/l	99
14) Allyl chloride	2.59	41	129601	50.250	ug/l	100
15) Acrylonitrile	2.93	53	252125	241.312	ug/l	100
16) Acetone	2.32	43	243111	230.336	ug/l	100
17) Carbon Disulfide	2.47	76	223932	48.087	ug/l	99
18) Methyl Acetate	2.61	43	115772	47.174	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	238054	48.170	ug/l	99
20) Methylene Chloride	2.70	84	84147	46.957	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	77142	47.236	ug/l	98
22) Diisopropyl ether	3.57	45	249541	48.955	ug/l	98
23) Vinyl Acetate	3.52	43	1045465	250.884	ug/l	99
24) 1,1-Dichloroethane	3.44	63	143165	48.653	ug/l	99
25) 2-Butanone	4.26	43	350204	245.661	ug/l	100
26) 2,2-Dichloropropane	4.22	77	117462	49.402	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	88532	49.565	ug/l	99
28) Bromochloromethane	4.55	49	61427	48.752	ug/l	99
29) Tetrahydrofuran	4.63	42	209255	242.019	ug/l	99
30) Chloroform	4.67	83	136340	48.645	ug/l	100
31) Cyclohexane	4.99	56	138225	49.756	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	110081	47.534	ug/l	98
36) 1,1-Dichloropropene	5.13	75	105816	47.892	ug/l	99
37) Ethyl Acetate	4.38	43	118629	48.914	ug/l	99
38) Carbon Tetrachloride	5.13	117	90853	49.301	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	134244	49.422	ug/l	99
40) Benzene	5.39	78	334522	48.538	ug/l	99
41) Methacrylonitrile	4.54	41	66583	51.289	ug/l	98
42) 1,2-Dichloroethane	5.40	62	103296	49.878	ug/l	100
43) Isopropyl Acetate	5.55	43	188653	50.709	ug/l	99
44) Trichloroethene	6.18	130	81682	47.833	ug/l	96
45) 1,2-Dichloropropane	6.43	63	88349	48.543	ug/l	100
46) Dibromomethane	6.56	93	56080	48.201	ug/l	99
47) Bromodichloromethane	6.76	83	106034	49.499	ug/l	99
48) Methyl methacrylate	6.62	41	92931	51.300	ug/l	99
49) 1,4-Dioxane	6.61	88	41187	959.392	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	621584	245.501	ug/l	99
52) Toluene	7.64	92	204149	48.657	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	124948	48.556	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	136359	49.040	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	81546	48.515	ug/l	98
56) Ethyl methacrylate	8.02	69	131524	50.791	ug/l	99
57) 1,3-Dichloropropane	8.24	76	142199	49.442	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	297259	261.025	ug/l	100
59) 2-Hexanone	8.36	43	494625	248.874	ug/l	100
60) Dibromochloromethane	8.48	129	80699	48.461	ug/l	99
61) 1,2-Dibromoethane	8.58	107	87912	48.225	ug/l	98
64) Tetrachloroethene	8.22	164	73785	49.834	ug/l	96
65) Chlorobenzene	9.12	112	221799	48.141	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	75170	50.275	ug/l	98
67) Ethyl Benzene	9.25	91	385935	50.173	ug/l	99
68) m/p-Xylenes	9.37	106	299480	100.202	ug/l	99
69) o-Xylene	9.78	106	145420	50.497	ug/l	99
70) Styrene	9.79	104	240833	51.014	ug/l	100
71) Bromoform	9.96	173	66329	49.822	ug/l #	99
73) Isopropylbenzene	10.16	105	380265	48.890	ug/l	99
74) N-amyl acetate	10.01	43	168388	50.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	147294	47.250	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	124290m	48.274	ug/l	
77) Bromobenzene	10.45	156	97645	48.174	ug/l	99
78) n-propylbenzene	10.58	91	454466	49.581	ug/l	100
79) 2-Chlorotoluene	10.66	91	264887	47.639	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	319059	49.122	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	43766m	43.840	ug/l	
82) 4-Chlorotoluene	10.77	91	305823	47.966	ug/l	100
83) tert-Butylbenzene	11.10	119	311192	48.610	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	327466	50.497	ug/l	100
85) sec-Butylbenzene	11.32	105	382962	49.463	ug/l	99
86) p-Isopropyltoluene	11.47	119	333509	50.551	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	177294	47.687	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	176734	46.052	ug/l	99
89) n-Butylbenzene	11.89	91	305521	51.885	ug/l	99
90) Hexachloroethane	12.14	117	51366	46.281	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	176037	47.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29391	49.020	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	118912	49.745	ug/l	100
94) Hexachlorobutadiene	13.69	225	53252	48.704	ug/l	99
95) Naphthalene	13.74	128	391492	48.143	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	119028	48.394	ug/l	100

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

