

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011219\
 Data File : VU029145.D
 Acq On : 11 Jan 2019 16:41
 Operator : JC/SP
 Sample : VU0112WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 10:59:02 AM

Quant Time: Jan 11 23:54:26 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	169751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	269299	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	253067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	127494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	101070	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	4.88	113	85319	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	7.56	98	318323	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
62) 4-Bromofluorobenzene	10.31	95	109551	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	32044	19.035	ug/l 99
3) Chloromethane	1.33	50	45309	16.393	ug/l 100
4) Vinyl Chloride	1.40	62	45654	18.403	ug/l 98
5) Bromomethane	1.62	94	25717	18.233	ug/l 99
6) Chloroethane	1.69	64	26713	18.078	ug/l 99
7) Trichlorofluoromethane	1.88	101	51437	19.028	ug/l 99
8) Diethyl Ether	2.10	74	24139	18.587	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	2.28	101	34844	19.264	ug/l 96
10) Methyl Iodide	2.41	142	25546	15.021	ug/l 99
11) Tert butyl alcohol	2.83	59	46561	87.292	ug/l 99
12) 1,1-Dichloroethene	2.28	96	31512	17.899	ug/l 95
13) Acrolein	2.19	56	34237	85.481	ug/l 98
14) Allyl chloride	2.59	41	57927	17.932	ug/l 93
15) Acrylonitrile	2.93	53	124534	95.166	ug/l 100
16) Acetone	2.32	43	128622	97.298	ug/l 97
17) Carbon Disulfide	2.48	76	103381	17.369	ug/l 100
18) Methyl Acetate	2.61	43	61399	19.975	ug/l 100
19) Methyl tert-butyl Ether	3.00	73	114136	18.440	ug/l 97
20) Methylene Chloride	2.70	84	41548	18.511	ug/l 98
21) trans-1,2-Dichloroethene	2.98	96	37005	18.091	ug/l 97
22) Diisopropyl ether	3.57	45	124841	19.554	ug/l 95
23) Vinyl Acetate	3.52	43	493635	94.580	ug/l 100
24) 1,1-Dichloroethane	3.44	63	71490	19.398	ug/l 100
25) 2-Butanone	4.26	43	173646	97.255	ug/l 98
26) 2,2-Dichloropropane	4.22	77	58618	19.684	ug/l 98
27) cis-1,2-Dichloroethene	4.22	96	40849	18.259	ug/l 97
28) Bromochloromethane	4.54	49	29695	18.817	ug/l 94
29) Tetrahydrofuran	4.64	42	103529	95.602	ug/l 97
30) Chloroform	4.67	83	68994	19.654	ug/l 99
31) Cyclohexane	4.99	56	66421	18.382	ug/l 97
32) 1,1,1-Trichloroethane	4.91	97	55657	19.188	ug/l 99
36) 1,1-Dichloropropene	5.13	75	51157	19.005	ug/l 99
37) Ethyl Acetate	4.38	43	56287	19.050	ug/l 99
38) Carbon Tetrachloride	5.13	117	45557	20.292	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	59684	18.036	ug/l	97
40) Benzene	5.39	78	164376	19.577	ug/l	100
41) Methacrylonitrile	4.54	41	30764	19.451	ug/l	98
42) 1,2-Dichloroethane	5.40	62	52831	20.940	ug/l	100
43) Isopropyl Acetate	5.55	43	88585	19.545	ug/l	98
44) Trichloroethene	6.19	130	38817	18.659	ug/l	99
45) 1,2-Dichloropropane	6.43	63	45306	20.433	ug/l	98
46) Dibromomethane	6.56	93	28743	20.278	ug/l	97
47) Bromodichloromethane	6.76	83	53678	20.568	ug/l	99
48) Methyl methacrylate	6.62	41	43563	19.739	ug/l	99
49) 1,4-Dioxane	6.61	88	19894	380.373	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	305155	98.929	ug/l	98
52) Toluene	7.64	92	99499	19.466	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	60255	19.220	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	65900	19.454	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	42012	20.516	ug/l	97
56) Ethyl methacrylate	8.02	69	57389	18.191	ug/l	95
57) 1,3-Dichloropropane	8.24	76	68396	19.520	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	109785	79.130	ug/l	99
59) 2-Hexanone	8.36	43	234571	96.879	ug/l	97
60) Dibromochloromethane	8.48	129	39582	19.511	ug/l	99
61) 1,2-Dibromoethane	8.58	107	44367	19.977	ug/l	95
64) Tetrachloroethene	8.22	164	34729	19.051	ug/l	91
65) Chlorobenzene	9.12	112	106218	18.725	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	35960	19.534	ug/l	98
67) Ethyl Benzene	9.25	91	175983	18.582	ug/l	98
68) m/p-Xylenes	9.37	106	136794	37.174	ug/l	100
69) o-Xylene	9.78	106	66004	18.615	ug/l	100
70) Styrene	9.79	104	108687	18.699	ug/l	99
71) Bromoform	9.96	173	31273	19.079	ug/l #	99
73) Isopropylbenzene	10.16	105	174307	18.471	ug/l	100
74) N-amyl acetate	10.01	43	73449	18.062	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.45	83	70355	18.602	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	58409m	18.698	ug/l	
77) Bromobenzene	10.45	156	45234	18.394	ug/l	98
78) n-propylbenzene	10.58	91	209377	18.827	ug/l	99
79) 2-Chlorotoluene	10.66	91	125241	18.565	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	147966	18.776	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	18524m	15.294	ug/l	
82) 4-Chlorotoluene	10.77	91	142369	18.404	ug/l	97
83) tert-Butylbenzene	11.10	119	138413	17.820	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	147052	18.690	ug/l	100
85) sec-Butylbenzene	11.32	105	176083	18.745	ug/l	100
86) p-Isopropyltoluene	11.48	119	148555	18.559	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	83286	18.464	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	82305	17.677	ug/l	97
89) n-Butylbenzene	11.89	91	135817	19.011	ug/l	99
90) Hexachloroethane	12.14	117	24803	18.419	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	80903	17.807	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	13380	18.393	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	50408	17.381	ug/l	100
94) Hexachlorobutadiene	13.69	225	27472	20.709	ug/l	98
95) Naphthalene	13.74	128	153129	15.521	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	51143	17.639	ug/l	99

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

