

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029240.D
 Acq On : 21 Jan 2019 11:44
 Operator : JC/SP
 Sample : VU0121WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:40:17 AM

Quant Time: Jan 22 01:39:16 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	110067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181593	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	169184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	70453	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	4.88	113	59844	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	7.56	98	229174	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	10.31	95	81239	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	19999	18.322	ug/l	97
3) Chloromethane	1.33	50	29768	16.620	ug/l	99
4) Vinyl Chloride	1.41	62	31264	19.436	ug/l	96
5) Bromomethane	1.62	94	16853	18.462	ug/l	98
6) Chloroethane	1.70	64	18493	19.301	ug/l	98
7) Trichlorofluoromethane	1.89	101	34158	19.488	ug/l	99
8) Diethyl Ether	2.10	74	16510	19.606	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	21864	18.643	ug/l	97
10) Methyl Iodide	2.41	142	23925	21.696	ug/l	99
11) Tert butyl alcohol	2.82	59	38829	112.269	ug/l	99
12) 1,1-Dichloroethene	2.29	96	21021	18.414	ug/l	98
13) Acrolein	2.19	56	19158	73.770	ug/l	98
14) Allyl chloride	2.59	41	45349m	21.651	ug/l	
15) Acrylonitrile	2.94	53	97199	114.554	ug/l	99
16) Acetone	2.32	43	94750	110.540	ug/l	97
17) Carbon Disulfide	2.48	76	65820	17.045	ug/l	99
18) Methyl Acetate	2.61	43	49833	25.004	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	82494	20.555	ug/l	98
20) Methylene Chloride	2.70	84	28391	19.509	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	24728	18.645	ug/l	93
22) Diisopropyl ether	3.57	45	87764	21.201	ug/l	97
23) Vinyl Acetate	3.52	43	359605	106.261	ug/l	99
24) 1,1-Dichloroethane	3.45	63	49840	20.856	ug/l	99
25) 2-Butanone	4.26	43	135025	116.631	ug/l	98
26) 2,2-Dichloropropane	4.23	77	40257	20.849	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	29105	20.064	ug/l	97
28) Bromochloromethane	4.55	49	28289	27.646	ug/l	95
29) Tetrahydrofuran	4.63	42	81643	116.273	ug/l	98
30) Chloroform	4.67	83	48630	21.365	ug/l	98
31) Cyclohexane	5.00	56	45677	19.565	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	38478	20.459	ug/l	97
36) 1,1-Dichloropropene	5.13	75	35129	19.354	ug/l	99
37) Ethyl Acetate	4.38	43	44587	22.379	ug/l	99
38) Carbon Tetrachloride	5.13	117	31092	20.538	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	40938	18.346	ug/l	100
40) Benzene	5.39	78	113129	19.981	ug/l	99
41) Methacrylonitrile	4.54	41	24793	23.247	ug/l	97
42) 1,2-Dichloroethane	5.40	62	36546	21.481	ug/l	99
43) Isopropyl Acetate	5.55	43	67405	22.055	ug/l	98
44) Trichloroethene	6.19	130	27155	19.357	ug/l	99
45) 1,2-Dichloropropane	6.43	63	31707	21.206	ug/l	98
46) Dibromomethane	6.56	93	19681	20.591	ug/l	99
47) Bromodichloromethane	6.76	83	37331	21.213	ug/l	100
48) Methyl methacrylate	6.62	41	33320	22.390	ug/l	98
49) 1,4-Dioxane	6.61	88	17261	489.429	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	234809	112.890	ug/l	98
52) Toluene	7.64	92	68589	19.900	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	42819	20.255	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	46305	20.271	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	29347	21.253	ug/l	98
56) Ethyl methacrylate	8.02	69	43231	20.322	ug/l	97
57) 1,3-Dichloropropane	8.24	76	49446	20.927	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	94242	100.735	ug/l	99
59) 2-Hexanone	8.36	43	185343	113.519	ug/l	98
60) Dibromochloromethane	8.48	129	28320	20.702	ug/l	97
61) 1,2-Dibromoethane	8.58	107	30440	20.326	ug/l	98
64) Tetrachloroethene	8.22	164	23607	19.370	ug/l	96
65) Chlorobenzene	9.12	112	75069	19.795	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26634	21.641	ug/l	98
67) Ethyl Benzene	9.25	91	125515	19.824	ug/l	99
68) m/p-Xylenes	9.37	106	97102	39.471	ug/l	99
69) o-Xylene	9.78	106	48086	20.286	ug/l	98
70) Styrene	9.79	104	76273	19.628	ug/l	98
71) Bromoform	9.95	173	23448	21.398	ug/l #	99
73) Isopropylbenzene	10.16	105	124471	20.480	ug/l	99
74) N-amyl acetate	10.01	43	55107	21.042	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.45	83	51674	21.214	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	45975m	22.852	ug/l	
77) Bromobenzene	10.45	156	33089	20.892	ug/l	96
78) n-propylbenzene	10.58	91	148940	20.795	ug/l	99
79) 2-Chlorotoluene	10.66	91	87479	20.134	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	102423	20.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	15768m	20.213	ug/l	
82) 4-Chlorotoluene	10.77	91	97660	19.602	ug/l	99
83) tert-Butylbenzene	11.10	119	101874	20.365	ug/l	100
84) 1,2,4-Trimethylbenzene	11.14	105	105687	20.857	ug/l	100
85) sec-Butylbenzene	11.32	105	126190	20.858	ug/l	100
86) p-Isopropyltoluene	11.47	119	106608	20.680	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	56536	19.461	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	57742	19.256	ug/l	98
89) n-Butylbenzene	11.89	91	95850	20.832	ug/l	99
90) Hexachloroethane	12.14	117	18514	21.348	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	56631	19.354	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10554	22.527	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35484	18.997	ug/l	99
94) Hexachlorobutadiene	13.69	225	18063	21.142	ug/l	99
95) Naphthalene	13.74	128	113223	17.819	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	36395	19.409	ug/l	99

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

