

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029197.D
 Acq On : 16 Jan 2019 10:13
 Operator : JC/SP
 Sample : VU0116WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:43:31 AM

Quant Time: Jan 17 01:07:26 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	110477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	174726	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82062	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70106	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	4.88	113	60240	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	7.56	98	229689	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	10.30	95	80837	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	20854	19.034	ug/l	99
3) Chloromethane	1.33	50	31329	17.461	ug/l	98
4) Vinyl Chloride	1.40	62	30963	19.177	ug/l	98
5) Bromomethane	1.62	94	17326	18.988	ug/l	97
6) Chloroethane	1.69	64	18842	19.592	ug/l	100
7) Trichlorofluoromethane	1.88	101	34836	19.801	ug/l	99
8) Diethyl Ether	2.10	74	17147	20.287	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	21301	18.095	ug/l	99
10) Methyl Iodide	2.41	142	19903	17.982	ug/l	97
11) Tert butyl alcohol	2.83	59	36246	104.412	ug/l	99
12) 1,1-Dichloroethene	2.28	96	20005	17.459	ug/l	96
13) Acrolein	2.19	56	19602	75.199	ug/l	98
14) Allyl chloride	2.59	41	39859	18.959	ug/l	93
15) Acrylonitrile	2.93	53	90670	106.462	ug/l	98
16) Acetone	2.32	43	90432	105.111	ug/l	95
17) Carbon Disulfide	2.48	76	67973	17.553	ug/l	99
18) Methyl Acetate	2.61	43	46333	23.161	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	81606	20.258	ug/l	99
20) Methylene Chloride	2.70	84	28838	19.742	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	25809	19.388	ug/l	99
22) Diisopropyl ether	3.57	45	87738	21.116	ug/l	95
23) Vinyl Acetate	3.52	43	352180	103.681	ug/l	98
24) 1,1-Dichloroethane	3.44	63	51152	21.326	ug/l	99
25) 2-Butanone	4.26	43	130780	112.545	ug/l	99
26) 2,2-Dichloropropane	4.22	77	40953	21.130	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	29363	20.167	ug/l	97
28) Bromochloromethane	4.54	49	22719	22.120	ug/l	95
29) Tetrahydrofuran	4.63	42	76439	108.457	ug/l	97
30) Chloroform	4.67	83	48954	21.428	ug/l	96
31) Cyclohexane	4.99	56	46515	19.867	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	38953	20.635	ug/l	98
36) 1,1-Dichloropropene	5.13	75	34672	19.853	ug/l	100
37) Ethyl Acetate	4.38	43	42996	22.429	ug/l	98
38) Carbon Tetrachloride	5.13	117	31834	21.854	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	42576	19.830	ug/l	99
40) Benzene	5.39	78	112870	20.719	ug/l	100
41) Methacrylonitrile	4.54	41	23058	22.470	ug/l	99
42) 1,2-Dichloroethane	5.40	62	36708	22.424	ug/l	98
43) Isopropyl Acetate	5.55	43	65821	22.383	ug/l	98
44) Trichloroethene	6.18	130	27572	20.427	ug/l	99
45) 1,2-Dichloropropane	6.43	63	31418	21.839	ug/l	100
46) Dibromomethane	6.56	93	19589	21.300	ug/l	98
47) Bromodichloromethane	6.75	83	37905	22.386	ug/l	97
48) Methyl methacrylate	6.62	41	31916	22.289	ug/l	99
49) 1,4-Dioxane	6.61	88	15771	464.755	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	223170	111.511	ug/l	99
52) Toluene	7.63	92	70014	21.111	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	42596	20.942	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	46193	21.017	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	29587	22.269	ug/l	99
56) Ethyl methacrylate	8.02	69	41999	20.519	ug/l	97
57) 1,3-Dichloropropane	8.24	76	49410	21.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	89462	99.383	ug/l	99
59) 2-Hexanone	8.36	43	175129	111.478	ug/l	98
60) Dibromochloromethane	8.47	129	29505	22.416	ug/l	100
61) 1,2-Dibromoethane	8.58	107	30252	20.995	ug/l	97
64) Tetrachloroethene	8.22	164	24332	20.469	ug/l	98
65) Chlorobenzene	9.12	112	76303	20.628	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26248	21.866	ug/l	100
67) Ethyl Benzene	9.25	91	127194	20.596	ug/l	100
68) m/p-Xylenes	9.37	106	98436	41.023	ug/l	99
69) o-Xylene	9.78	106	48202	20.848	ug/l	98
70) Styrene	9.79	104	77948	20.565	ug/l	99
71) Bromoform	9.96	173	23216	21.720	ug/l #	98
73) Isopropylbenzene	10.16	105	124264	20.458	ug/l	99
74) N-amyl acetate	10.01	43	53654	20.499	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	50692	20.823	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	43322m	21.546	ug/l	
77) Bromobenzene	10.45	156	32601	20.596	ug/l	100
78) n-propylbenzene	10.58	91	149797	20.927	ug/l	99
79) 2-Chlorotoluene	10.66	91	90343	20.806	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	104117	20.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	14564m	18.681	ug/l	
82) 4-Chlorotoluene	10.77	91	102129	20.512	ug/l	99
83) tert-Butylbenzene	11.10	119	103330	20.669	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	105839	20.900	ug/l	99
85) sec-Butylbenzene	11.32	105	127670	21.116	ug/l	99
86) p-Isopropyltoluene	11.47	119	108456	21.051	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	59514	20.498	ug/l	97
88) 1,4-Dichlorobenzene	11.50	146	59206	19.755	ug/l	99
89) n-Butylbenzene	11.89	91	100974	21.958	ug/l	97
90) Hexachloroethane	12.14	117	18575	21.431	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	57621	19.704	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9926	21.200	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	37511	20.094	ug/l	99
94) Hexachlorobutadiene	13.69	225	19396	22.716	ug/l	100
95) Naphthalene	13.74	128	114959	18.103	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	38546	20.522	ug/l	100

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

