

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027185.D
 Acq On : 26 Sep 2018 18:10
 Operator : MD/SY
 Sample : J5032-04MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MS

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:20 PM

Quant Time: Sep 27 02:35:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	77998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132521	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	132992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73475	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	82898	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	4.88	113	57745	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	7.57	98	219307	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	10.31	95	80440	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	41600	40.850	ug/l	98
3) Chloromethane	1.33	50	67463	38.424	ug/l	99
4) Vinyl Chloride	1.40	62	70861	43.236	ug/l	97
5) Bromomethane	1.62	94	18446	19.764	ug/l	100
6) Chloroethane	1.69	64	46736	44.630	ug/l	99
7) Trichlorofluoromethane	1.88	101	84209	45.239	ug/l	98
8) Diethyl Ether	2.11	74	41487	46.304	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	51108	44.654	ug/l	99
10) Methyl Iodide	2.41	142	13666	9.627	ug/l	99
11) Tert butyl alcohol	2.83	59	95414	265.173	ug/l	99
12) 1,1-Dichloroethene	2.28	96	48639	45.150	ug/l	99
13) Acrolein	2.20	56	34936	180.114	ug/l	98
14) Allyl chloride	2.59	41	112269	51.383	ug/l	98
15) Acrylonitrile	2.94	53	250652	276.389	ug/l	99
16) Acetone	2.32	43	228230	275.379	ug/l	99
17) Carbon Disulfide	2.48	76	145665	41.507	ug/l	98
18) Methyl Acetate	2.62	43	122816	54.966	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	211302	53.377	ug/l	98
20) Methylene Chloride	2.70	84	65178	46.360	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	55025	47.841	ug/l	99
22) Diisopropyl ether	3.58	45	261080	55.865	ug/l	96
23) Vinyl Acetate	3.53	43	1029584	258.447	ug/l	99
24) 1,1-Dichloroethane	3.45	63	131882	51.237	ug/l	99
25) 2-Butanone	4.26	43	363762	275.729	ug/l	98
26) 2,2-Dichloropropane	4.23	77	80908	40.306	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	66173	50.945	ug/l	98
28) Bromochloromethane	4.55	49	71957	57.994	ug/l	95
29) Tetrahydrofuran	4.64	42	234275	293.551	ug/l	96
30) Chloroform	4.67	83	120263	50.335	ug/l	100
31) Cyclohexane	5.00	56	109027	46.558	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	96828	50.759	ug/l	98
36) 1,1-Dichloropropene	5.14	75	84688	47.883	ug/l	99
37) Ethyl Acetate	4.38	43	119906	50.080	ug/l	98
38) Carbon Tetrachloride	5.13	117	81778	48.588	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	90249	46.955	ug/l	97
40) Benzene	5.39	78	258940	48.160	ug/l	99
41) Methacrylonitrile	4.55	41	73876	59.412	ug/l	97
42) 1,2-Dichloroethane	5.41	62	102951	50.680	ug/l	98
43) Isopropyl Acetate	5.55	43	191200	54.758	ug/l	99
44) Trichloroethene	6.19	130	53964	47.145	ug/l	96
45) 1,2-Dichloropropane	6.43	63	79464	51.870	ug/l	98
46) Dibromomethane	6.56	93	45537	49.216	ug/l	99
47) Bromodichloromethane	6.76	83	96305	51.476	ug/l	96
48) Methyl methacrylate	6.62	41	98971	52.035	ug/l	99
49) 1,4-Dioxane	6.61	88	34340	909.680	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	697358	296.948	ug/l	99
52) Toluene	7.64	92	156484	50.775	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	107244	53.352	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	109709	49.638	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	66323	50.788	ug/l	98
56) Ethyl methacrylate	8.02	69	114470	50.497	ug/l	98
57) 1,3-Dichloropropane	8.24	76	126926	52.258	ug/l	99
59) 2-Hexanone	8.36	43	536872	292.049	ug/l	99
60) Dibromochloromethane	8.48	129	67399	52.617	ug/l	98
61) 1,2-Dibromoethane	8.59	107	68842	50.667	ug/l	99
64) Tetrachloroethene	8.23	164	43906	42.844	ug/l	99
65) Chlorobenzene	9.12	112	163428	46.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	60468	49.785	ug/l	99
67) Ethyl Benzene	9.25	91	292870	50.507	ug/l	100
68) m/p-Xylenes	9.38	106	217182	92.596	ug/l	98
69) o-Xylene	9.78	106	106059	51.622	ug/l	99
70) Stvrene	9.79	104	180435	47.143	ug/l	99
71) Bromoform	9.96	173	48922	52.087	ug/l #	98
73) Isopropylbenzene	10.17	105	284906	50.975	ug/l	100
74) N-amyl acetate	10.02	43	166585	51.491	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	121434	47.255	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	110395m	49.457	ug/l	
77) Bromobenzene	10.45	156	65203	47.739	ug/l	95
78) n-propylbenzene	10.59	91	348786	52.740	ug/l	99
79) 2-Chlorotoluene	10.66	91	204112	49.136	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	239256	51.858	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	25434m	36.464	ug/l	
82) 4-Chlorotoluene	10.77	91	237357	50.959	ug/l	99
83) tert-Butylbenzene	11.10	119	230600	50.555	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	245188	52.219	ug/l	99
85) sec-Butylbenzene	11.32	105	288351	51.786	ug/l	100
86) p-Isopropyltoluene	11.48	119	246459	47.224	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	120472	47.400	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	122484	44.217	ug/l	99
89) n-Butylbenzene	11.89	91	229174	45.476	ug/l	100
90) Hexachloroethane	12.15	117	48188	47.591	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	122769	45.473	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28445	54.260	ug/l	97
93) 1,2,4-Trichlorobenzene	13.50	180	78236	50.286	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	36774	44.672	ug/l	99
95) Naphthalene	13.75	128	289181	47.622	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	84858	50.861	ug/l	99

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

