

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027252.D
 Acq On : 28 Sep 2018 02:25
 Operator : MD/SY
 Sample : J5033-17MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MSD

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:17 PM

Quant Time: Sep 28 05:18:34 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	4.98	168	77427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132626	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72059	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	75946	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	4.88	113	54294	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	7.57	98	199521	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
62) 4-Bromofluorobenzene	10.31	95	75462	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.21	85	56777	56.164	ug/l	99
3) Chloromethane	1.33	50	79771	45.769	ug/l	99
4) Vinyl Chloride	1.40	62	83641	51.410	ug/l	99
5) Bromomethane	1.62	94	63023	68.024	ug/l	99
6) Chloroethane	1.69	64	51644	49.681	ug/l	99
7) Trichlorofluoromethane	1.88	101	94132	50.943	ug/l	96
8) Diethyl Ether	2.10	74	44552	50.092	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55715	49.038	ug/l	99
10) Methyl Iodide	2.41	142	29217	20.734	ug/l	98
11) Tert butyl alcohol	2.83	59	85281	238.759	ug/l	98
12) 1,1-Dichloroethene	2.28	96	54588	51.046	ug/l	99
13) Acrolein	2.19	56	27988	145.357	ug/l	99
14) Allyl chloride	2.59	41	120953	55.765	ug/l	95
15) Acrylonitrile	2.94	53	243448	270.425	ug/l	99
16) Acetone	2.32	43	213489	258.468	ug/l	99
17) Carbon Disulfide	2.48	76	182621	52.422	ug/l	100
18) Methyl Acetate	2.62	43	120801	54.463	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	234492	59.671	ug/l	99
20) Methylene Chloride	2.70	84	69757	49.983	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	61203	53.605	ug/l	97
22) Diisopropyl ether	3.57	45	269114	58.009	ug/l	97
23) Vinyl Acetate	3.53	43	1058670	267.708	ug/l	99
24) 1,1-Dichloroethane	3.45	63	137248	53.715	ug/l	99
25) 2-Butanone	4.26	43	348076	265.785	ug/l	99
26) 2,2-Dichloropropane	4.23	77	82967	41.636	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	81671	63.340	ug/l	98
28) Bromochloromethane	4.55	49	66276	53.810	ug/l	95
29) Tetrahydrofuran	4.64	42	227754	287.485	ug/l	96
30) Chloroform	4.67	83	126752	53.443	ug/l	99
31) Cyclohexane	5.00	56	127454	54.932	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	102791	54.282	ug/l	99
36) 1,1-Dichloropropene	5.14	75	92910	52.490	ug/l	98
37) Ethyl Acetate	4.38	43	120647	50.350	ug/l	99
38) Carbon Tetrachloride	5.14	117	86785	51.522	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	105432	54.811	ug/l	97
40) Benzene	5.39	78	280736	52.173	ug/l	99
41) Methacrylonitrile	4.54	41	73324	58.921	ug/l	97
42) 1,2-Dichloroethane	5.40	62	107695	52.974	ug/l	100
43) Isopropyl Acetate	5.55	43	188729	54.007	ug/l	98
44) Trichloroethene	6.19	130	62276	54.364	ug/l	99
45) 1,2-Dichloropropane	6.43	63	81446	53.121	ug/l	99
46) Dibromomethane	6.56	93	48098	51.943	ug/l	99
47) Bromodichloromethane	6.76	83	95370	50.935	ug/l	99
48) Methyl methacrylate	6.62	41	100872	52.973	ug/l	98
49) 1,4-Dioxane	6.61	88	33589	889.042	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	668953	284.627	ug/l	100
52) Toluene	7.64	92	168754	54.713	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	109280	54.322	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	112857	51.022	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	67630	51.748	ug/l	99
56) Ethyl methacrylate	8.02	69	114306	50.390	ug/l	97
57) 1,3-Dichloropropane	8.24	76	131476	54.089	ug/l	99
59) 2-Hexanone	8.36	43	509763	277.083	ug/l	99
60) Dibromochloromethane	8.48	129	68057	53.089	ug/l	98
61) 1,2-Dibromoethane	8.59	107	70672	51.972	ug/l	100
64) Tetrachloroethene	8.23	164	49896	50.050	ug/l	99
65) Chlorobenzene	9.12	112	171574	50.015	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	60776	51.437	ug/l	99
67) Ethyl Benzene	9.25	91	310613	55.064	ug/l	100
68) m/p-Xylenes	9.38	106	232686	101.826	ug/l	99
69) o-Xylene	9.78	106	111168	55.622	ug/l	98
70) Stvrene	9.79	104	187531	50.243	ug/l	100
71) Bromoform	9.96	173	49349	54.010	ug/l #	98
73) Isopropylbenzene	10.17	105	301528	55.009	ug/l	100
74) N-amyl acetate	10.01	43	163003	51.374	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	118737	47.114	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	107343m	49.035	ug/l	
77) Bromobenzene	10.45	156	68268	50.966	ug/l	96
78) n-propylbenzene	10.59	91	366874	56.566	ug/l	99
79) 2-Chlorotoluene	10.66	91	218775	53.701	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253355	55.992	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	28119m	41.106	ug/l	
82) 4-Chlorotoluene	10.77	91	250071	54.744	ug/l	99
83) tert-Butylbenzene	11.10	119	239532	53.545	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	259439	56.340	ug/l	99
85) sec-Butylbenzene	11.32	105	302695	55.431	ug/l	100
86) p-Isopropyltoluene	11.48	119	256952	50.144	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	126147	50.608	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	127940	47.094	ug/l	99
89) n-Butylbenzene	11.89	91	238200	48.053	ug/l	99
90) Hexachloroethane	12.15	117	47139	47.470	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	126477	47.767	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26350	51.251	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	80718	52.901	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	39487	48.910	ug/l	98
95) Naphthalene	13.74	128	290407	48.723	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	86682	52.975	ug/l	99

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

