

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU027037.D
 Acq On : 22 Sep 2018 23:33
 Operator : MD/SY
 Sample : J4958-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MS

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:23 PM

Quant Time: Sep 24 05:37:53 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	77832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	135924	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74727	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	85972	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
35) Dibromofluoromethane	4.88	113	59954	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	7.57	98	232114	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	10.31	95	82469	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	46716	45.971	ug/l 98
3) Chloromethane	1.33	50	84166	48.039	ug/l 100
4) Vinyl Chloride	1.40	62	79758	48.768	ug/l 99
5) Bromomethane	1.62	94	44106	47.358	ug/l 98
6) Chloroethane	1.69	64	52543	50.283	ug/l 100
7) Trichlorofluoromethane	1.88	101	90191	48.556	ug/l 99
8) Diethyl Ether	2.10	74	45567	50.966	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	51165	44.799	ug/l 98
10) Methyl Iodide	2.41	142	55766	39.369	ug/l 99
11) Tert butyl alcohol	2.83	59	101451	282.552	ug/l 99
12) 1,1-Dichloroethene	2.28	96	53157	49.449	ug/l 99
13) Acrolein	2.20	56	48030	248.149	ug/l 100
14) Allyl chloride	2.59	41	116694	53.522	ug/l 99
15) Acrylonitrile	2.94	53	247506	273.502	ug/l 98
16) Acetone	2.32	43	226017	273.156	ug/l 98
17) Carbon Disulfide	2.48	76	165524	47.267	ug/l 100
18) Methyl Acetate	2.62	43	114748	51.465	ug/l 99
19) Methyl tert-butyl Ether	3.00	73	220047	55.704	ug/l 99
20) Methylene Chloride	2.70	84	68729	48.990	ug/l 97
21) trans-1,2-Dichloroethene	2.98	96	58058	50.586	ug/l 99
22) Diisopropyl ether	3.58	45	265585	56.950	ug/l 97
23) Vinyl Acetate	3.53	43	1048018	263.636	ug/l 99
24) 1,1-Dichloroethane	3.45	63	136405	53.108	ug/l 98
25) 2-Butanone	4.26	43	355779	270.253	ug/l 99
26) 2,2-Dichloropropane	4.23	77	88639	44.251	ug/l 100
27) cis-1,2-Dichloroethene	4.23	96	67535	52.104	ug/l 98
28) Bromochloromethane	4.55	49	71708	57.917	ug/l 94
29) Tetrahydrofuran	4.64	42	233050	292.639	ug/l 97
30) Chloroform	4.67	83	123793	51.923	ug/l 99
31) Cyclohexane	5.00	56	116337	49.826	ug/l 98
32) 1,1,1-Trichloroethane	4.92	97	100231	52.654	ug/l 99
36) 1,1-Dichloropropene	5.14	75	90779	50.042	ug/l 98
37) Ethyl Acetate	4.38	43	117459	47.830	ug/l 99
38) Carbon Tetrachloride	5.14	117	83653	48.457	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	91986	46.661	ug/l	99
40) Benzene	5.39	78	275118	49.888	ug/l	100
41) Methacrylonitrile	4.54	41	72195	56.606	ug/l	99
42) 1,2-Dichloroethane	5.40	62	106900	51.307	ug/l	99
43) Isopropyl Acetate	5.55	43	186740	52.141	ug/l	99
44) Trichloroethene	6.19	130	58060	49.454	ug/l	99
45) 1,2-Dichloropropane	6.43	63	81802	52.059	ug/l	100
46) Dibromomethane	6.56	93	47389	49.936	ug/l	97
47) Bromodichloromethane	6.76	83	94403	49.196	ug/l	99
48) Methyl methacrylate	6.62	41	100427	51.489	ug/l	98
49) 1,4-Dioxane	6.61	88	41514	1072.498	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	681160	282.789	ug/l	100
52) Toluene	7.64	92	165774	52.443	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	108822	52.782	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	110714	48.839	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	67154	50.137	ug/l	99
56) Ethyl methacrylate	8.02	69	114336	49.233	ug/l	98
57) 1,3-Dichloropropane	8.24	76	130420	52.353	ug/l	100
59) 2-Hexanone	8.36	43	523491	277.641	ug/l	100
60) Dibromochloromethane	8.48	129	66961	50.967	ug/l	97
61) 1,2-Dibromoethane	8.59	107	70042	50.259	ug/l	100
64) Tetrachloroethene	8.23	164	46707	45.010	ug/l	98
65) Chlorobenzene	9.12	112	168473	47.182	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	61375	49.904	ug/l	99
67) Ethyl Benzene	9.25	91	306702	52.235	ug/l	100
68) m/p-Xylenes	9.38	106	226470	95.311	ug/l	98
69) o-Xylene	9.78	106	110019	52.884	ug/l	98
70) Styrene	9.79	104	184273	47.532	ug/l	100
71) Bromoform	9.96	173	48081	50.555	ug/l #	99
73) Isopropylbenzene	10.17	105	293100	51.562	ug/l	100
74) N-amyl acetate	10.02	43	162589	49.414	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	119779	45.830	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	103496m	45.589	ug/l	
77) Bromobenzene	10.45	156	67462	48.566	ug/l	96
78) n-propylbenzene	10.59	91	353947	52.624	ug/l	99
79) 2-Chlorotoluene	10.66	91	213047	50.428	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	245766	52.376	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	41432m	58.405	ug/l	
82) 4-Chlorotoluene	10.77	91	241078	50.891	ug/l	100
83) tert-Butylbenzene	11.10	119	235697	50.806	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	252928	52.965	ug/l	99
85) sec-Butylbenzene	11.32	105	288800	50.998	ug/l	99
86) p-Isopropyltoluene	11.48	119	248014	46.736	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	123861	47.917	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	124546	44.208	ug/l	99
89) n-Butylbenzene	11.89	91	223409	43.689	ug/l	100
90) Hexachloroethane	12.15	117	48171	46.777	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	125566	45.730	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27012	50.663	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	79217	50.064	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	36003	43.002	ug/l	99
95) Naphthalene	13.74	128	294941	47.752	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	85116	50.160	ug/l	99

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

