

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025261.D
 Acq On : 06 Jul 2018 23:45
 Operator : MD/SY
 Sample : J3808-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:58:03 PM

Quant Time: Jul 07 01:05:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	155688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	242814	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	228404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	137157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	135990	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
35) Dibromofluoromethane	4.89	113	109084	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
50) Toluene-d8	7.57	98	359142	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	10.31	95	146153	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	78579	40.323	ug/l	99
3) Chloromethane	1.33	50	87260	43.829	ug/l	97
4) Vinyl Chloride	1.40	62	102936	50.135	ug/l	99
5) Bromomethane	1.61	94	58622	59.062	ug/l	98
6) Chloroethane	1.69	64	63219	55.212	ug/l	98
7) Trichlorofluoromethane	1.88	101	142726	45.550	ug/l	98
8) Diethyl Ether	2.10	74	59955	56.469	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	81261	41.803	ug/l	96
10) Methyl Iodide	2.41	142	112718	66.558	ug/l	97
11) Tert butyl alcohol	2.83	59	155372	251.350	ug/l	99
12) 1,1-Dichloroethene	2.28	96	82474	46.523	ug/l	95
13) Acrolein	2.19	56	82293	253.516	ug/l	100
14) Allyl chloride	2.59	41	146179	44.411	ug/l	99
15) Acrylonitrile	2.94	53	311672	259.148	ug/l	99
16) Acetone	2.32	43	293410	214.855	ug/l	97
17) Carbon Disulfide	2.48	76	219318	38.637	ug/l	98
18) Methyl Acetate	2.62	43	141596	48.366	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	351600	52.764	ug/l	96
20) Methylene Chloride	2.70	84	103294	48.206	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	93456	47.865	ug/l	98
22) Diisopropyl ether	3.57	45	334826	51.315	ug/l	97
23) Vinyl Acetate	3.53	43	1397458	239.088	ug/l	99
24) 1,1-Dichloroethane	3.45	63	189532	50.494	ug/l	98
25) 2-Butanone	4.26	43	460267	250.917	ug/l	94
26) 2,2-Dichloropropane	4.23	77	138137	38.757	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	135696	60.452	ug/l	95
28) Bromochloromethane	4.55	49	102853	62.210	ug/l	85
29) Tetrahydrofuran	4.64	42	291634	256.732	ug/l	97
30) Chloroform	4.68	83	199562	52.527	ug/l	99
31) Cyclohexane	5.00	56	142930	42.587	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	176420	50.215	ug/l	97
36) 1,1-Dichloropropene	5.14	75	132270	46.358	ug/l	97
37) Ethyl Acetate	4.38	43	160791	51.704	ug/l	98
38) Carbon Tetrachloride	5.14	117	152174	48.500	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	144415	40.559	ug/l	94
40) Benzene	5.39	78	454723	55.930	ug/l	99
41) Methacrylonitrile	4.54	41	94630	56.438	ug/l	98
42) 1,2-Dichloroethane	5.41	62	172479	55.701	ug/l	100
43) Isopropyl Acetate	5.55	43	258414	48.073	ug/l	99
44) Trichloroethene	6.19	130	120285	51.985	ug/l	95
45) 1,2-Dichloropropane	6.44	63	111158	51.241	ug/l	99
46) Dibromomethane	6.56	93	80289	52.691	ug/l	94
47) Bromodichloromethane	6.76	83	151367	49.886	ug/l	99
48) Methyl methacrylate	6.63	41	135514	51.771	ug/l	98
49) 1,4-Dioxane	6.62	88	64402	1258.111	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	880278	260.656	ug/l	98
52) Toluene	7.64	92	261405	49.975	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	160003	46.956	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	166711	45.915	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	109511	51.505	ug/l	99
56) Ethyl methacrylate	8.02	69	180055	50.595	ug/l	99
57) 1,3-Dichloropropane	8.25	76	188783	52.633	ug/l	98
59) 2-Hexanone	8.36	43	698104	253.199	ug/l	100
60) Dibromochloromethane	8.48	129	126833	47.836	ug/l	99
61) 1,2-Dibromoethane	8.59	107	121484	51.334	ug/l	97
64) Tetrachloroethene	8.23	164	97000	44.678	ug/l	97
65) Chlorobenzene	9.12	112	485511	83.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	112476	50.738	ug/l	97
67) Ethyl Benzene	9.25	91	506786	49.544	ug/l	99
68) m/p-Xylenes	9.38	106	390245	99.351	ug/l	98
69) o-Xylene	9.78	106	197955	50.923	ug/l	97
70) Styrene	9.80	104	323365	50.619	ug/l	99
71) Bromoform	9.96	173	97453	46.251	ug/l #	100
73) Isopropylbenzene	10.17	105	519332	49.318	ug/l	99
74) N-amyl acetate	10.01	43	227090	45.339	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	190764	54.060	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	167215m	55.375	ug/l	
77) Bromobenzene	10.45	156	138974	52.130	ug/l	94
78) n-propylbenzene	10.59	91	586208	47.257	ug/l	97
79) 2-Chlorotoluene	10.66	91	358742	49.041	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	447749	49.057	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	56589m	43.372	ug/l	
82) 4-Chlorotoluene	10.78	91	407780	47.894	ug/l	98
83) tert-Butylbenzene	11.10	119	463651	52.810	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	459954	49.450	ug/l	100
85) sec-Butylbenzene	11.33	105	551705	50.202	ug/l	92
86) p-Isopropyltoluene	11.48	119	469983	47.750	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	255516	51.879	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	261767	52.804	ug/l	99
89) n-Butylbenzene	11.89	91	377228	43.169	ug/l	98
90) Hexachloroethane	12.15	117	78889	41.087	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	321137	65.096	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49521	50.859	ug/l	92
93) 1,2,4-Trichlorobenzene	13.51	180	164521	54.005	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	84148	49.075	ug/l	100
95) Naphthalene	13.74	128	577922	57.205	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	178588	58.832	ug/l	99

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

