

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027186.D
 Acq On : 26 Sep 2018 18:34
 Operator : MD/SY
 Sample : J5032-05MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:21 PM

Quant Time: Sep 27 02:36:55 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	74962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	130473	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70877	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	80494	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.70%		
35) Dibromofluoromethane	4.89	113	56295	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.56%		
50) Toluene-d8	7.57	98	211886	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.32%		
62) 4-Bromofluorobenzene	10.31	95	77614	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.96%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	42759	43.688	ug/l	97
3) Chloromethane	1.33	50	70538	41.802	ug/l	99
4) Vinyl Chloride	1.40	62	71597	45.454	ug/l	100
5) Bromomethane	1.62	94	23346	26.027	ug/l	99
6) Chloroethane	1.69	64	47377	47.075	ug/l	99
7) Trichlorofluoromethane	1.88	101	83074	46.437	ug/l	100
8) Diethyl Ether	2.11	74	42030	48.810	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50948	46.317	ug/l	99
10) Methyl Iodide	2.41	142	24406	17.890	ug/l	99
11) Tert butyl alcohol	2.83	59	94601	273.561	ug/l	99
12) 1,1-Dichloroethene	2.28	96	48684	47.022	ug/l	98
13) Acrolein	2.20	56	36250	194.457	ug/l	99
14) Allyl chloride	2.59	41	111703	53.194	ug/l	99
15) Acrylonitrile	2.94	53	249610	286.388	ug/l	99
16) Acetone	2.32	43	230183	289.862	ug/l	98
17) Carbon Disulfide	2.48	76	146559	43.454	ug/l	100
18) Methyl Acetate	2.62	43	122320	56.961	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	211971	55.714	ug/l	99
20) Methylene Chloride	2.70	84	64306	47.592	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	54373	49.189	ug/l	99
22) Diisopropyl ether	3.58	45	261396	58.198	ug/l	96
23) Vinyl Acetate	3.53	43	1036049	270.603	ug/l	98
24) 1,1-Dichloroethane	3.45	63	130895	52.913	ug/l	99
25) 2-Butanone	4.26	43	360839	284.591	ug/l	97
26) 2,2-Dichloropropane	4.23	77	78289	40.581	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	66254	53.073	ug/l	99
28) Bromochloromethane	4.55	49	72928	61.157	ug/l	94
29) Tetrahydrofuran	4.64	42	232691	303.375	ug/l	96
30) Chloroform	4.68	83	118466	51.591	ug/l	99
31) Cyclohexane	5.00	56	110103	48.951	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	95910	52.314	ug/l	99
36) 1,1-Dichloropropene	5.14	75	83616	48.019	ug/l	98
37) Ethyl Acetate	4.38	43	124797	52.941	ug/l	99
38) Carbon Tetrachloride	5.14	117	80169	48.379	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	92642	48.957	ug/l	97
40) Benzene	5.39	78	259201	48.966	ug/l	99
41) Methacrylonitrile	4.54	41	74537	60.884	ug/l	95
42) 1,2-Dichloroethane	5.41	62	103111	51.556	ug/l	100
43) Isopropyl Acetate	5.55	43	198165	57.643	ug/l	97
44) Trichloroethene	6.19	130	55356	49.120	ug/l	98
45) 1,2-Dichloropropane	6.44	63	78772	52.225	ug/l	98
46) Dibromomethane	6.56	93	45450	49.893	ug/l	97
47) Bromodichloromethane	6.76	83	95506	51.850	ug/l	99
48) Methyl methacrylate	6.62	41	100987	53.891	ug/l	99
49) 1,4-Dioxane	6.61	88	33692	906.517	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	693332	299.868	ug/l	99
52) Toluene	7.64	92	156985	51.737	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	106806	53.968	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	109767	50.444	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	66999	52.111	ug/l	99
56) Ethyl methacrylate	8.02	69	112893	50.580	ug/l	96
57) 1,3-Dichloropropane	8.24	76	126918	53.075	ug/l	99
59) 2-Hexanone	8.36	43	533029	294.510	ug/l	99
60) Dibromochloromethane	8.48	129	67303	53.367	ug/l	98
61) 1,2-Dibromoethane	8.59	107	68365	51.105	ug/l	99
64) Tetrachloroethene	8.23	164	44046	44.267	ug/l	99
65) Chlorobenzene	9.12	112	162114	47.350	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	61015	51.740	ug/l	99
67) Ethyl Benzene	9.25	91	292747	51.998	ug/l	100
68) m/p-Xylenes	9.38	106	217124	95.299	ug/l	98
69) o-Xylene	9.78	106	106390	53.334	ug/l	99
70) Stvrene	9.79	104	178434	47.983	ug/l	99
71) Bromoform	9.96	173	49193	53.944	ug/l #	98
73) Isopropylbenzene	10.17	105	285924	53.032	ug/l	100
74) N-amyl acetate	10.02	43	169324	54.256	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	120279	48.521	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	101782m	47.270	ug/l	
77) Bromobenzene	10.45	156	65446	49.674	ug/l	95
78) n-propylbenzene	10.59	91	346416	54.302	ug/l	99
79) 2-Chlorotoluene	10.66	91	207689	51.830	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	239841	53.890	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	31514m	46.837	ug/l	
82) 4-Chlorotoluene	10.77	91	238277	53.032	ug/l	99
83) tert-Butylbenzene	11.10	119	229808	52.228	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	245890	54.289	ug/l	99
85) sec-Butylbenzene	11.32	105	289489	53.896	ug/l	100
86) p-Isopropyltoluene	11.48	119	245144	48.665	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	121576	49.587	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	123386	46.175	ug/l	99
89) n-Butylbenzene	11.89	91	232169	47.639	ug/l	99
90) Hexachloroethane	12.15	117	47008	48.128	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	122982	47.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28874	57.097	ug/l	97
93) 1,2,4-Trichlorobenzene	13.50	180	80807	53.842	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	38284	48.211	ug/l	99
95) Naphthalene	13.74	128	295745	50.387	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	84706	52.630	ug/l	98

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

