

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027311.D
 Acq On : 01 Oct 2018 10:07
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:40 AM

Quant Time: Oct 02 01:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	113142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	193354	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	75584	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	2359	1.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.62%	
35) Dibromofluoromethane	4.89	113	1597	1.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.52%	
50) Toluene-d8	7.57	98	4962	1.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.00%	
62) 4-Bromofluorobenzene	10.31	95	1989	1.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	1300	0.797	ug/l	99
3) Chloromethane	1.33	50	2233	1.011	ug/l	93
4) Vinyl Chloride	1.41	62	1851	0.892	ug/l #	89
5) Bromomethane	1.63	94	848	0.944	ug/l	87
6) Chloroethane	1.70	64	1445	1.158	ug/l	98
7) Trichlorofluoromethane	1.89	101	1944	0.923	ug/l	93
8) Diethyl Ether	2.11	74	916	0.944	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1106	0.904	ug/l	96
12) 1,1-Dichloroethene	2.29	96	1117	0.935	ug/l	99
14) Allyl chloride	2.59	41	2561	0.902	ug/l	95
15) Acrylonitrile	2.94	53	4947	4.777	ug/l	94
16) Acetone	2.32	43	6833	6.122	ug/l	98
17) Carbon Disulfide	2.48	76	4377	1.015	ug/l	100
18) Methyl Acetate	2.62	43	2920	1.147	ug/l #	91
19) Methyl tert-butyl Ether	3.00	73	4538	0.948	ug/l	99
20) Methylene Chloride	2.70	84	1652	1.063	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	1257	0.937	ug/l	88
22) Diisopropyl ether	3.57	45	5157	0.894	ug/l #	79
23) Vinyl Acetate	3.53	43	22464	4.459	ug/l	96
24) 1,1-Dichloroethane	3.45	63	2701	0.911	ug/l #	92
25) 2-Butanone	4.27	43	6905	4.537	ug/l	94
26) 2,2-Dichloropropane	4.23	77	2508	1.029	ug/l #	74
27) cis-1,2-Dichloroethene	4.23	96	1542	1.005	ug/l	91
28) Bromochloromethane	4.56	49	1387	0.969	ug/l #	94
29) Tetrahydrofuran	4.65	42	4431	4.620	ug/l	98
30) Chloroform	4.68	83	2526	0.959	ug/l	98
31) Cyclohexane	4.99	56	5562	1.604	ug/l #	56
32) 1,1,1-Trichloroethane	4.92	97	2036	0.918	ug/l #	53
36) 1,1-Dichloropropene	5.14	75	2042	0.973	ug/l #	84
37) Ethyl Acetate	4.39	43	2779m	1.073	ug/l	
38) Carbon Tetrachloride	5.13	117	1772	0.934	ug/l	96
39) Methylcyclohexane	6.41	83	2195	0.894	ug/l	91
40) Benzene	5.39	78	5902	0.965	ug/l	93
41) Methacrylonitrile	4.55	41	1426	0.930	ug/l #	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.41	62	2105	0.927	ug/l #	76
43) Isopropyl Acetate	5.56	43	3608	0.856	ug/l #	92
44) Trichloroethene	6.19	130	1342	0.984	ug/l	89
45) 1,2-Dichloropropane	6.43	63	1618	0.917	ug/l	99
46) Dibromomethane	6.56	93	846	0.849	ug/l	99
47) Bromodichloromethane	6.76	83	1893	0.916	ug/l #	95
48) Methyl methacrylate	6.63	41	1728	0.825	ug/l #	87
49) 1,4-Dioxane	6.63	88	548	15.199	ug/l #	90
51) 4-Methyl-2-Pentanone	7.46	43	11175	4.081	ug/l	95
52) Toluene	7.64	92	3243	0.896	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	1956	0.807	ug/l	92
54) cis-1,3-Dichloropropene	7.27	75	2181	0.837	ug/l	90
55) 1,1,2-Trichloroethane	8.07	97	1292	0.900	ug/l	93
56) Ethyl methacrylate	8.03	69	1590	0.668	ug/l	86
57) 1,3-Dichloropropane	8.24	76	2573	0.924	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	4657	3.500	ug/l	92
59) 2-Hexanone	8.37	43	8677	4.085	ug/l	93
60) Dibromochloromethane	8.48	129	1188	0.825	ug/l	91
61) 1,2-Dibromoethane	8.59	107	1404	0.920	ug/l	99
64) Tetrachloroethene	8.23	164	1047	0.964	ug/l	87
65) Chlorobenzene	9.12	112	3588	0.977	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.21	131	1129	0.890	ug/l #	65
67) Ethyl Benzene	9.25	91	5835	0.896	ug/l	100
68) m/p-Xylenes	9.38	106	4089	1.717	ug/l	98
69) o-Xylene	9.78	106	1742	0.770	ug/l	89
70) Styrene	9.80	104	2828	0.761	ug/l	98
71) Bromoform	9.96	173	854	0.837	ug/l #	91
73) Isopropylbenzene	10.17	105	4915	0.895	ug/l	93
74) N-amyl acetate	10.02	43	2689	0.856	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	10.46	83	2097	0.973	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	1857m	0.881	ug/l	
77) Bromobenzene	10.46	156	1244	0.975	ug/l	93
78) n-propylbenzene	10.59	91	5756	0.873	ug/l	96
79) 2-Chlorotoluene	10.66	91	3806	0.956	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	3715	0.831	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.51	75	746m	0.912	ug/l	
82) 4-Chlorotoluene	10.77	91	3985	0.882	ug/l	96
83) tert-Butylbenzene	11.10	119	3610	0.836	ug/l	94
84) 1,2,4-Trimethylbenzene	11.15	105	3771	0.826	ug/l	95
85) sec-Butylbenzene	11.33	105	4363	0.801	ug/l	95
86) p-Isopropyltoluene	11.48	119	3732	0.801	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	2487	1.029	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	2549	1.033	ug/l	87
89) n-Butylbenzene	11.89	91	3253	0.748	ug/l	96
90) Hexachloroethane	12.15	117	748	0.851	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	2215	0.942	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.66	75	395	0.827	ug/l	80
93) 1,2,4-Trichlorobenzene	13.51	180	1254	0.824	ug/l	95
94) Hexachlorobutadiene	13.69	225	692	0.900	ug/l	94
95) Naphthalene	13.75	128	4149	0.813	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	13.99	180	1476	0.931	ug/l	95

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

