

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028353.D
 Acq On : 28 Nov 2018 09:35
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:22:43 PM

Quant Time: Nov 29 00:45:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 00:29:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	235748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	424952	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	378749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	169704	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	20034	5.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.16%	
35) Dibromofluoromethane	4.88	113	14325	5.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.14%	
50) Toluene-d8	7.56	98	56390	4.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.98%	
62) 4-Bromofluorobenzene	10.31	95	18960	4.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	15999	5.059	ug/l	99
3) Chloromethane	1.33	50	32960	5.377	ug/l	97
4) Vinyl Chloride	1.40	62	21765	5.075	ug/l	95
5) Bromomethane	1.60	94	8693	5.241	ug/l	99
6) Chloroethane	1.68	64	12234	4.957	ug/l	99
7) Trichlorofluoromethane	1.88	101	23123	5.190	ug/l	97
8) Diethyl Ether	2.10	74	10406	5.025	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	12998	5.008	ug/l	96
10) Methyl Iodide	2.41	142	11403	4.659	ug/l	99
11) Tert butyl alcohol	2.83	59	22627	25.279	ug/l #	89
12) 1,1-Dichloroethene	2.28	96	13223	5.250	ug/l	88
13) Acrolein	2.19	56	21259	26.716	ug/l	98
14) Allyl chloride	2.59	41	31795	4.832	ug/l	98
15) Acrylonitrile	2.94	53	60548	25.573	ug/l	99
16) Acetone	2.32	43	67392	27.962	ug/l	97
17) Carbon Disulfide	2.47	76	48916	5.060	ug/l	98
18) Methyl Acetate	2.61	43	34997	5.215	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	54178	5.247	ug/l	98
20) Methylene Chloride	2.70	84	18463	4.952	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	14711	5.037	ug/l	94
22) Diisopropyl ether	3.57	45	66276	5.119	ug/l	92
23) Vinyl Acetate	3.52	43	270610	25.130	ug/l	100
24) 1,1-Dichloroethane	3.44	63	34344	5.377	ug/l	98
25) 2-Butanone	4.26	43	91192	26.401	ug/l	99
26) 2,2-Dichloropropane	4.23	77	25791	5.084	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	17608	5.097	ug/l	97
28) Bromochloromethane	4.55	49	17046	5.337	ug/l	98
29) Tetrahydrofuran	4.64	42	57375	25.583	ug/l	98
30) Chloroform	4.67	83	29831	5.060	ug/l	96
31) Cyclohexane	4.99	56	39034	5.149	ug/l #	94
32) 1,1,1-Trichloroethane	4.91	97	25020	5.289	ug/l	98
36) 1,1-Dichloropropene	5.13	75	23501	5.054	ug/l	97
37) Ethyl Acetate	4.38	43	30988	4.890	ug/l	100
38) Carbon Tetrachloride	5.13	117	20020	5.243	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	25580	4.666	ug/l	99
40) Benzene	5.39	78	70268	5.102	ug/l	98
41) Methacrylonitrile	4.55	41	17986	5.111	ug/l	99
42) 1,2-Dichloroethane	5.40	62	25704	5.181	ug/l	98
43) Isopropyl Acetate	5.55	43	48924	4.872	ug/l	99
44) Trichloroethene	6.19	130	14877	5.039	ug/l	94
45) 1,2-Dichloropropane	6.43	63	20543	5.093	ug/l	95
46) Dibromomethane	6.56	93	12260	5.292	ug/l	98
47) Bromodichloromethane	6.76	83	23661	5.135	ug/l	98
48) Methyl methacrylate	6.62	41	25400	4.856	ug/l	98
49) 1,4-Dioxane	6.62	88	8077	96.654	ug/l #	92
51) 4-Methyl-2-Pentanone	7.46	43	159020	24.793	ug/l	98
52) Toluene	7.64	92	39504	4.981	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	27416	4.976	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	29350	4.972	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	16854	5.106	ug/l	97
56) Ethyl methacrylate	8.02	69	26085	4.645	ug/l	95
57) 1,3-Dichloropropane	8.24	76	31159	5.148	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	69418	23.026	ug/l	97
59) 2-Hexanone	8.36	43	124373	25.034	ug/l	100
60) Dibromochloromethane	8.48	129	15446	4.920	ug/l	98
61) 1,2-Dibromoethane	8.59	107	16867	4.989	ug/l	100
64) Tetrachloroethene	8.22	164	13683	5.492	ug/l	88
65) Chlorobenzene	9.12	112	39694	5.047	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	13920	5.164	ug/l	97
67) Ethyl Benzene	9.25	91	72564	4.899	ug/l	99
68) m/p-Xylenes	9.37	106	52238	9.798	ug/l	97
69) o-Xylene	9.78	106	26781	5.053	ug/l	99
70) Styrene	9.79	104	40989	4.795	ug/l	100
71) Bromoform	9.96	173	11347	5.008	ug/l #	98
73) Isopropylbenzene	10.17	105	68391	5.182	ug/l	100
74) N-amyl acetate	10.01	43	42302	5.115	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	29984	5.524	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	27332m	5.882	ug/l	
77) Bromobenzene	10.45	156	15827	5.089	ug/l	98
78) n-propylbenzene	10.58	91	81427	5.001	ug/l	100
79) 2-Chlorotoluene	10.66	91	50947	5.308	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	56806	5.107	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	7587m	3.357	ug/l	
82) 4-Chlorotoluene	10.77	91	55951	5.059	ug/l	97
83) tert-Butylbenzene	11.10	119	53011	5.113	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	55679	4.942	ug/l	98
85) sec-Butylbenzene	11.32	105	66640	4.948	ug/l	99
86) p-Isopropyltoluene	11.48	119	55099	4.976	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	28498	5.024	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	29103	5.098	ug/l	92
89) n-Butylbenzene	11.89	91	49830	4.560	ug/l	99
90) Hexachloroethane	12.14	117	8623	4.988	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	29563	5.224	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.66	75	6225	5.156	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	16057	4.335	ug/l	99
94) Hexachlorobutadiene	13.69	225	8533	4.878	ug/l	98
95) Naphthalene	13.75	128	57346	4.552	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	16594	4.429	ug/l	94

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

