

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092218\
 Data File : VU026967.D
 Acq On : 21 Sep 2018 14:51
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:02 PM

Quant Time: Sep 22 01:00:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	78396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132995	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61845	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	8765	6.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.82%	
35) Dibromofluoromethane	4.89	113	6180	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	
50) Toluene-d8	7.57	98	22327	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
62) 4-Bromofluorobenzene	10.31	95	6442	4.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	5699	6.519	ug/l	98
3) Chloromethane	1.33	50	9249	7.284	ug/l	100
4) Vinyl Chloride	1.40	62	8647	6.716	ug/l	100
5) Bromomethane	1.61	94	4838	6.125	ug/l	96
6) Chloroethane	1.69	64	6102	7.418	ug/l	99
7) Trichlorofluoromethane	1.88	101	10153	6.192	ug/l	99
8) Diethyl Ether	2.11	74	4616	6.277	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	6182	6.321	ug/l	98
10) Methyl Iodide	2.41	142	6979	8.175	ug/l	97
11) Tert butyl alcohol	2.83	59	9250	30.296	ug/l	98
12) 1,1-Dichloroethene	2.28	96	5622	6.063	ug/l	98
13) Acrolein	2.20	56	3823	19.246	ug/l	99
14) Allyl chloride	2.59	41	11492	6.650	ug/l	99
15) Acrylonitrile	2.94	53	22820	34.143	ug/l	98
16) Acetone	2.32	43	30203	42.375	ug/l	100
17) Carbon Disulfide	2.48	76	17656	5.945	ug/l	100
18) Methyl Acetate	2.62	43	11059	6.990	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	19513	5.998	ug/l	100
20) Methylene Chloride	2.70	84	7516	6.627	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	5767	5.859	ug/l	98
22) Diisopropyl ether	3.57	45	23197	6.410	ug/l #	88
23) Vinyl Acetate	3.53	43	95891	31.214	ug/l	100
24) 1,1-Dichloroethane	3.45	63	13907	6.901	ug/l	98
25) 2-Butanone	4.27	43	35007	35.993	ug/l	98
26) 2,2-Dichloropropane	4.23	77	10898	6.658	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	6668	5.916	ug/l	99
28) Bromochloromethane	4.55	49	6648	6.847	ug/l #	99
29) Tetrahydrofuran	4.64	42	19211	32.447	ug/l	99
30) Chloroform	4.68	83	12614	6.437	ug/l	92
31) Cyclohexane	4.99	56	13066	6.287	ug/l #	85
32) 1,1,1-Trichloroethane	4.92	97	10256	6.373	ug/l	99
36) 1,1-Dichloropropene	5.14	75	8764	5.707	ug/l	97
37) Ethyl Acetate	4.39	43	11242	5.927	ug/l	99
38) Carbon Tetrachloride	5.14	117	8910	5.577	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	8438	4.665	ug/l	96
40) Benzene	5.39	78	27562	5.803	ug/l	92
41) Methacrylonitrile	4.55	41	5999	6.070	ug/l	99
42) 1,2-Dichloroethane	5.41	62	10518	6.108	ug/l	99
43) Isopropyl Acetate	5.55	43	16918	5.904	ug/l	98
44) Trichloroethene	6.19	130	5854	5.098	ug/l	98
45) 1,2-Dichloropropane	6.44	63	8090	6.208	ug/l	97
46) Dibromomethane	6.57	93	4896	5.920	ug/l	96
47) Bromodichloromethane	6.76	83	9662	5.899	ug/l	98
48) Methyl methacrylate	6.63	41	7746	5.456	ug/l	99
49) 1,4-Dioxane	6.62	88	3364	105.441	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	55717	28.827	ug/l	99
52) Toluene	7.64	92	14661	5.166	ug/l	94
53) t-1,3-Dichloropropene	7.88	75	9098	4.981	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	10464	5.314	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	6842	5.668	ug/l	99
56) Ethyl methacrylate	8.02	69	8326	4.681	ug/l	99
57) 1,3-Dichloropropane	8.25	76	12247	5.847	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	22558	24.743	ug/l	99
59) 2-Hexanone	8.37	43	42541	28.123	ug/l	94
60) Dibromochloromethane	8.48	129	6172	4.821	ug/l	97
61) 1,2-Dibromoethane	8.59	107	7018	5.380	ug/l	99
64) Tetrachloroethene	8.23	164	4987	4.975	ug/l	92
65) Chlorobenzene	9.12	112	17445	5.499	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	6169	5.308	ug/l	98
67) Ethyl Benzene	9.25	91	24765	4.692	ug/l	99
68) m/p-Xylenes	9.38	106	18314	9.177	ug/l	96
69) o-Xylene	9.78	106	8904	4.600	ug/l	96
70) Styrene	9.79	104	13171	4.151	ug/l	99
71) Bromoform	9.96	173	4498	4.547	ug/l #	96
73) Isopropylbenzene	10.17	105	22743	5.268	ug/l	98
74) N-amyl acetate	10.02	43	12531	5.952	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	12101	6.800	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	10687m	7.381	ug/l	
77) Bromobenzene	10.46	156	5746	4.997	ug/l	95
78) n-propylbenzene	10.59	91	25289	5.007	ug/l	99
79) 2-Chlorotoluene	10.66	91	17499	5.599	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	17917	4.946	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	2742m	5.534	ug/l	
82) 4-Chlorotoluene	10.77	91	19361	5.516	ug/l	98
83) tert-Butylbenzene	11.10	119	18009	4.944	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	17911	4.893	ug/l	99
85) sec-Butylbenzene	11.32	105	21538	4.942	ug/l	99
86) p-Isopropyltoluene	11.48	119	17308	4.581	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	10721	4.995	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	11415	5.111	ug/l	94
89) n-Butylbenzene	11.89	91	14981	4.485	ug/l	93
90) Hexachloroethane	12.15	117	4316	5.657	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	11256	5.218	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2356	6.605	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	5390	3.822	ug/l	97
94) Hexachlorobutadiene	13.69	225	3534	4.874	ug/l	98
95) Naphthalene	13.75	128	17279	3.960	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	6127	4.139	ug/l	98

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

