

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010319\
 Data File : VU028992.D
 Acq On : 03 Jan 2019 13:05
 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
 1/4/2019 9:50:48 AM

Quant Time: Jan 03 14:46:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 14:38:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	126271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	207056	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	190634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	8302	4.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.62%	
35) Dibromofluoromethane	4.88	113	6981	5.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.72%	
50) Toluene-d8	7.57	98	25641	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
62) 4-Bromofluorobenzene	10.31	95	8445	4.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.76%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4258	2.516	ug/l 95
3) Chloromethane	1.33	50	7257	2.332	ug/l 99
4) Vinyl Chloride	1.40	62	5991	2.668	ug/l 98
5) Bromomethane	1.60	94	4040	4.466	ug/l 97
6) Chloroethane	1.68	64	3530	2.777	ug/l 97
7) Trichlorofluoromethane	1.88	101	6557	2.775	ug/l 98
8) Diethyl Ether	2.10	74	2945	2.664	ug/l 85
9) 1,1,2-Trichlorotrifluoroet	2.28	101	4206	2.977	ug/l 99
10) Methyl Iodide	2.40	142	3144	2.836	ug/l # 89
11) Tert butyl alcohol	2.83	59	6098	14.204	ug/l # 93
12) 1,1-Dichloroethene	2.28	96	4223	3.004	ug/l 90
13) Acrolein	2.19	56	8173	23.880	ug/l 94
14) Allyl chloride	2.59	41	7848	2.360	ug/l 95
15) Acrylonitrile	2.94	53	15123	12.688	ug/l 99
16) Acetone	2.32	43	16300	12.963	ug/l # 88
17) Carbon Disulfide	2.47	76	14578	2.878	ug/l 98
18) Methyl Acetate	2.62	43	7089	2.175	ug/l 95
19) Methyl tert-butyl Ether	3.00	73	13793	2.588	ug/l 97
20) Methylene Chloride	2.70	84	5558	2.998	ug/l # 80
21) trans-1,2-Dichloroethene	2.98	96	4476	2.828	ug/l # 94
22) Diisopropyl ether	3.57	45	14348	2.218	ug/l 90
23) Vinyl Acetate	3.52	43	58388	10.945	ug/l # 91
24) 1,1-Dichloroethane	3.44	63	8896	2.628	ug/l 98
25) 2-Butanone	4.27	43	20125	11.711	ug/l 96
26) 2,2-Dichloropropane	4.22	77	6879	2.564	ug/l 97
27) cis-1,2-Dichloroethene	4.22	96	5140	2.869	ug/l 90
28) Bromochloromethane	4.54	49	5997	3.897	ug/l # 72
29) Tetrahydrofuran	4.64	42	12742	11.545	ug/l 89
30) Chloroform	4.67	83	8328	2.822	ug/l 98
31) Cyclohexane	4.99	56	10874	2.738	ug/l # 67
32) 1,1,1-Trichloroethane	4.91	97	7159	2.921	ug/l 89
36) 1,1-Dichloropropene	5.13	75	6050	2.670	ug/l 94
37) Ethyl Acetate	4.39	43	6883	2.350	ug/l # 88
38) Carbon Tetrachloride	5.13	117	5506	3.015	ug/l 97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	7653	2.769	ug/l	87
40) Benzene	5.39	78	20109	3.013	ug/l	99
41) Methacrylonitrile	4.55	41	3119	1.944	ug/l #	87
42) 1,2-Dichloroethane	5.40	62	6178	2.645	ug/l	98
43) Isopropyl Acetate	5.55	43	10735	2.317	ug/l	98
44) Trichloroethene	6.19	130	4864	3.278	ug/l	88
45) 1,2-Dichloropropane	6.43	63	5203	2.773	ug/l	94
46) Dibromomethane	6.56	93	3437	3.087	ug/l	95
47) Bromodichloromethane	6.76	83	5959	2.750	ug/l #	95
48) Methyl methacrylate	6.63	41	5027	2.182	ug/l #	88
49) 1,4-Dioxane	6.61	88	2284	62.786	ug/l #	89
51) 4-Methyl-2-Pentanone	7.46	43	35413	12.120	ug/l	93
52) Toluene	7.64	92	11797	3.004	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	6914	2.679	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	7779	2.779	ug/l #	84
55) 1,1,2-Trichloroethane	8.07	97	4967	3.199	ug/l	96
56) Ethyl methacrylate	8.02	69	6673	2.510	ug/l #	83
57) 1,3-Dichloropropane	8.24	76	8574	2.975	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.13	63	23950	17.588	ug/l	92
59) 2-Hexanone	8.36	43	26990	11.654	ug/l	91
60) Dibromochloromethane	8.48	129	4528	2.979	ug/l	97
61) 1,2-Dibromoethane	8.59	107	5277	3.241	ug/l	98
64) Tetrachloroethene	8.23	164	4247	3.340	ug/l	98
65) Chlorobenzene	9.12	112	12921	3.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	4180	3.222	ug/l	89
67) Ethyl Benzene	9.25	91	21169	2.835	ug/l	96
68) m/p-Xylenes	9.38	106	16152	5.944	ug/l	92
69) o-Xylene	9.78	106	8118	3.074	ug/l	86
70) Styrene	9.79	104	11685	2.674	ug/l	96
71) Bromoform	9.96	173	3777	3.423	ug/l #	97
73) Isopropylbenzene	10.16	105	19983	3.022	ug/l	99
74) N-amyl acetate	10.01	43	8304	2.177	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	8349	3.287	ug/l	96
76) 1,2,3-Trichloropropane	10.49	75	7702m	3.501	ug/l	
77) Bromobenzene	10.45	156	5505	3.560	ug/l	86
78) n-propylbenzene	10.58	91	22771	2.772	ug/l	98
79) 2-Chlorotoluene	10.66	91	14547	3.074	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	15577	2.846	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.50	75	3488m	3.682	ug/l	
82) 4-Chlorotoluene	10.77	91	15990	2.851	ug/l	96
83) tert-Butylbenzene	11.10	119	15500	2.938	ug/l	94
84) 1,2,4-Trimethylbenzene	11.15	105	15842	2.809	ug/l	95
85) sec-Butylbenzene	11.32	105	18759	2.768	ug/l	99
86) p-Isopropyltoluene	11.48	119	15853	2.754	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	9341	3.199	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	9975	3.302	ug/l	96
89) n-Butylbenzene	11.89	91	13119	2.252	ug/l	97
90) Hexachloroethane	12.14	117	2899	3.332	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	9580	3.280	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1619	2.944	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	4796	2.290	ug/l	99
94) Hexachlorobutadiene	13.69	225	2568	2.684	ug/l	94
95) Naphthalene	13.75	128	15506	2.212	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	5119	2.430	ug/l	94

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

