

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033972.D
 Acq On : 27 Aug 2019 14:19
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:37 AM

Quant Time: Aug 28 02:11:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 01:57:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	345635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	522736	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	502791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	245190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	3618	0.923 ug/l	91
3) Chloromethane	1.32	50	6008	1.281 ug/l	99
4) Vinyl Chloride	1.40	62	3617	0.711 ug/l #	30
6) Chloroethane	1.69	64	2368	0.740 ug/l	91
7) Trichlorofluoromethane	1.87	101	4727	0.764 ug/l	89
8) Diethyl Ether	2.09	74	1954	0.745 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	2983	0.821 ug/l	98
12) 1,1-Dichloroethene	2.27	96	3253	0.872 ug/l	94
14) Allyl chloride	2.58	41	5608	0.835 ug/l	97
15) Acrylonitrile	2.93	53	9346	3.597 ug/l	99
16) Acetone	2.31	43	10688	3.817 ug/l	95
17) Carbon Disulfide	2.46	76	12233	0.998 ug/l	96
18) Methyl Acetate	2.61	43	4555	0.728 ug/l #	75
19) Methyl tert-butyl Ether	2.98	73	9752	0.820 ug/l	96
20) Methylene Chloride	2.68	84	4622	1.003 ug/l	95
21) trans-1,2-Dichloroethene	2.97	96	3659	0.891 ug/l	96
22) Diisopropyl ether	3.55	45	9440	0.744 ug/l #	61
23) Vinyl Acetate	3.51	43	37208	3.558 ug/l	96
24) 1,1-Dichloroethane	3.43	63	6138	0.780 ug/l	98
25) 2-Butanone	4.26	43	11820	3.271 ug/l	94
26) 2,2-Dichloropropane	4.20	77	5658	0.883 ug/l	96
27) cis-1,2-Dichloroethene	4.21	96	4075	0.922 ug/l	97
28) Bromochloromethane	4.52	49	3002	0.779 ug/l #	99
29) Tetrahydrofuran	4.63	42	7642	3.509 ug/l #	87
30) Chloroform	4.65	83	7238	0.921 ug/l	90
32) 1,1,1-Trichloroethane	4.89	97	5318	0.824 ug/l #	50
36) 1,1-Dichloropropene	5.12	75	5606	1.062 ug/l #	86
37) Ethyl Acetate	4.38	43	4705m	0.767 ug/l	
38) Carbon Tetrachloride	5.11	117	4937	0.929 ug/l	91
39) Methylcyclohexane	6.40	83	5544	0.943 ug/l	91
40) Benzene	5.37	78	14218	0.906 ug/l	99
41) Methacrylonitrile	4.55	41	2057m	0.669 ug/l	
42) 1,2-Dichloroethane	5.39	62	4880	0.850 ug/l	80
43) Isopropyl Acetate	5.53	43	6471	0.722 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	6.17	130	4129	0.996	ug/l	100
45) 1,2-Dichloropropane	6.41	63	3732	0.862	ug/l	98
46) Dibromomethane	6.54	93	2690	0.958	ug/l	97
47) Bromodichloromethane	6.74	83	4659	0.827	ug/l	92
48) Methyl methacrylate	6.62	41	2967	0.736	ug/l	95
49) 1,4-Dioxane	6.60	88	1551	16.301	ug/l #	14
51) 4-Methyl-2-Pentanone	7.44	43	22679	3.734	ug/l	94
52) Toluene	7.62	92	8232	0.898	ug/l	92
53) t-1,3-Dichloropropene	7.87	75	5147	0.882	ug/l	99
54) cis-1,3-Dichloropropene	7.26	75	5316	0.817	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	3878	0.964	ug/l	91
56) Ethyl methacrylate	8.01	69	3989	0.730	ug/l	99
57) 1,3-Dichloropropane	8.23	76	6043	0.869	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.12	63	8074	4.141	ug/l	92
59) 2-Hexanone	8.36	43	17197	3.713	ug/l	86
60) Dibromochloromethane	8.46	129	4037	0.951	ug/l	96
61) 1,2-Dibromoethane	8.57	107	3828	0.916	ug/l	99
64) Tetrachloroethene	8.21	164	4242	1.143	ug/l	96
65) Chlorobenzene	9.10	112	10332	0.996	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	3687	0.957	ug/l #	59
67) Ethyl Benzene	9.23	91	16628	0.981	ug/l	96
68) m/p-Xylenes	9.36	106	12116	1.932	ug/l	100
69) o-Xylene	9.77	106	5626	0.938	ug/l	96
70) Styrene	9.78	104	8833	0.852	ug/l	94
71) Bromoform	9.95	173	3080	0.946	ug/l #	98
73) Isopropylbenzene	10.15	105	14694	0.972	ug/l	97
74) N-amyl acetate	10.01	43	4992	0.786	ug/l	93
75) 1,1,2,2-Tetrachloroethane	10.44	83	6124	0.968	ug/l	95
76) 1,2,3-Trichloropropane	10.48	75	4761m	0.854	ug/l	
77) Bromobenzene	10.44	156	4565	1.119	ug/l	99
78) n-propylbenzene	10.57	91	16581	0.927	ug/l	97
79) 2-Chlorotoluene	10.65	91	10354	0.965	ug/l	97
80) 1,3,5-Trimethylbenzene	10.76	105	11991	0.927	ug/l	96
82) 4-Chlorotoluene	10.76	91	12374	0.983	ug/l	98
83) tert-Butylbenzene	11.08	119	12159	1.004	ug/l	96
84) 1,2,4-Trimethylbenzene	11.13	105	10964	0.872	ug/l	100
85) sec-Butylbenzene	11.31	105	13921	0.920	ug/l	100
86) p-Isopropyltoluene	11.46	119	12489	0.906	ug/l	93
87) 1,3-Dichlorobenzene	11.40	146	8380	1.090	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	9032m	1.137	ug/l	
89) n-Butylbenzene	11.88	91	10433	0.848	ug/l	92
90) Hexachloroethane	12.13	117	2404	0.906	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	8441	1.144	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.65	75	924	0.710	ug/l	83
93) 1,2,4-Trichlorobenzene	13.50	180	3448	0.774	ug/l	76
94) Hexachlorobutadiene	13.67	225	3480	1.241	ug/l	94
95) Naphthalene	13.74	128	8675m	0.712	ug/l	
96) 1,2,3-Trichlorobenzene	13.99	180	4502m	1.006	ug/l	

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

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