

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033955.D
 Acq On : 26 Aug 2019 17:27
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:16:56 PM

Quant Time: Aug 27 06:30:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	371597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	594588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	580170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	307994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	115350	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
35) Dibromofluoromethane	4.86	113	87162	23.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.42%	
50) Toluene-d8	7.55	98	332510	22.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.06%	
62) 4-Bromofluorobenzene	10.29	95	117752	21.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	90884	18.589	ug/l 99
3) Chloromethane	1.32	50	108026	12.586	ug/l 99
4) Vinyl Chloride	1.40	62	116385	17.974	ug/l 100
5) Bromomethane	1.61	94	73042	26.914	ug/l 97
6) Chloroethane	1.69	64	74047	20.017	ug/l 99
7) Trichlorofluoromethane	1.87	101	140208	20.195	ug/l 99
8) Diethyl Ether	2.09	74	57635	17.968	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	82935	20.075	ug/l 100
10) Methyl Iodide	2.40	142	78678	20.858	ug/l 99
11) Tert butyl alcohol	2.80	59	103271	83.505	ug/l 99
12) 1,1-Dichloroethene	2.27	96	81099	19.698	ug/l 98
13) Acrolein	2.18	56	65141	69.371	ug/l 99
14) Allyl chloride	2.58	41	134531	14.343	ug/l 99
15) Acrylonitrile	2.91	53	299778	87.626	ug/l 98
16) Acetone	2.30	43	309072	85.567	ug/l 99
17) Carbon Disulfide	2.46	76	266841	18.155	ug/l 99
18) Methyl Acetate	2.60	43	140203	15.351	ug/l 98
19) Methyl tert-butyl Ether	2.98	73	260600	16.974	ug/l 98
20) Methylene Chloride	2.68	84	98412	18.172	ug/l 99
21) trans-1,2-Dichloroethene	2.96	96	91640	19.748	ug/l 100
22) Diisopropyl ether	3.54	45	300001	16.384	ug/l 93
23) Vinyl Acetate	3.50	43	1221585	80.205	ug/l 99
24) 1,1-Dichloroethane	3.42	63	172815	17.716	ug/l 98
25) 2-Butanone	4.23	43	409878	83.507	ug/l 99
26) 2,2-Dichloropropane	4.20	77	138663	17.853	ug/l 99
27) cis-1,2-Dichloroethene	4.20	96	96754	18.566	ug/l 99
28) Bromochloromethane	4.52	49	88831	20.100	ug/l 99
29) Tetrahydrofuran	4.61	42	253298	80.717	ug/l 99
30) Chloroform	4.65	83	169120	19.665	ug/l 100
31) Cyclohexane	4.97	56	153805	13.542	ug/l 96
32) 1,1,1-Trichloroethane	4.89	97	141090	19.719	ug/l 99
36) 1,1-Dichloropropene	5.11	75	122252	18.960	ug/l 99
37) Ethyl Acetate	4.35	43	144735	17.629	ug/l 99
38) Carbon Tetrachloride	5.11	117	122178	22.792	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	132752	16.939	ug/l	96
40) Benzene	5.37	78	373867	19.657	ug/l	99
41) Methacrylonitrile	4.52	41	75855	16.952	ug/l	100
42) 1,2-Dichloroethane	5.38	62	137893	20.544	ug/l	100
43) Isopropyl Acetate	5.52	43	211354	16.384	ug/l	100
44) Trichloroethene	6.16	130	92978	21.498	ug/l	100
45) 1,2-Dichloropropane	6.41	63	101989	19.221	ug/l	99
46) Dibromomethane	6.54	93	65997	20.644	ug/l	98
47) Bromodichloromethane	6.74	83	132603	21.128	ug/l	100
48) Methyl methacrylate	6.60	41	98211	15.409	ug/l	97
49) 1,4-Dioxane	6.59	88	43163	405.044	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	744056	90.230	ug/l	99
52) Toluene	7.62	92	224684	19.998	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	139175	18.885	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	151655	18.944	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	92805	20.769	ug/l	98
56) Ethyl methacrylate	8.00	69	122622	16.349	ug/l	100
57) 1,3-Dichloropropane	8.22	76	167670	20.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	215263	58.382	ug/l	99
59) 2-Hexanone	8.34	43	562595	86.259	ug/l	98
60) Dibromochloromethane	8.46	129	97011	21.763	ug/l	99
61) 1,2-Dibromoethane	8.57	107	98619	20.974	ug/l	98
64) Tetrachloroethene	8.21	164	83913	21.519	ug/l	99
65) Chlorobenzene	9.10	112	237305	19.323	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	89870	22.497	ug/l	97
67) Ethyl Benzene	9.23	91	395348	17.634	ug/l	99
68) m/p-Xylenes	9.36	106	304630	37.249	ug/l	100
69) o-Xylene	9.76	106	138057	17.418	ug/l	97
70) Styrene	9.77	104	249576	18.802	ug/l	99
71) Bromoform	9.94	173	73257	21.562	ug/l #	97
73) Isopropylbenzene	10.15	105	385215	16.653	ug/l	100
74) N-amyl acetate	10.00	43	161134	12.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	159953	18.014	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	143094m	18.533	ug/l	
77) Bromobenzene	10.43	156	99797	18.266	ug/l	99
78) n-propylbenzene	10.57	91	462727	16.177	ug/l	100
79) 2-Chlorotoluene	10.64	91	281792	17.098	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	337445	17.571	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	53630m	15.938	ug/l	
82) 4-Chlorotoluene	10.75	91	325365	16.611	ug/l	100
83) tert-Butylbenzene	11.08	119	295712	16.013	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	329010	16.660	ug/l	100
85) sec-Butylbenzene	11.31	105	378932	16.060	ug/l	99
86) p-Isopropyltoluene	11.46	119	348011	17.129	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	185235	17.936	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	185150	17.363	ug/l	98
89) n-Butylbenzene	11.87	91	313421	15.434	ug/l	98
90) Hexachloroethane	12.13	117	64452	20.459	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	177278	17.225	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	32559	16.947	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	110534	15.021	ug/l	99
94) Hexachlorobutadiene	13.67	225	66624	19.330	ug/l	98
95) Naphthalene	13.73	128	290016	12.026	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	111248	15.080	ug/l	99

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

