

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082719\
 Data File : VU033954.D
 Acq On : 26 Aug 2019 17:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:16:52 PM

Quant Time: Aug 27 06:27:52 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	4.95	168	398634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	651504	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	640374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	325955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	31199	5.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.48%	
35) Dibromofluoromethane	4.86	113	26215	6.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	12.74%	
50) Toluene-d8	7.55	98	86018	5.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.64%	
62) 4-Bromofluorobenzene	10.29	95	35827	5.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	20539	3.916	ug/l	94
3) Chloromethane	1.32	50	26927	2.925	ug/l	99
4) Vinyl Chloride	1.39	62	29377	4.229	ug/l	98
5) Bromomethane	1.60	94	23851	8.192	ug/l	98
6) Chloroethane	1.68	64	18350	4.624	ug/l	94
7) Trichlorofluoromethane	1.87	101	35765	4.802	ug/l	92
8) Diethyl Ether	2.09	74	15096	4.387	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	21366	4.821	ug/l	98
10) Methyl Iodide	2.39	142	3730	0.922	ug/l	96
11) Tert butyl alcohol	2.80	59	26372	19.878	ug/l	99
12) 1,1-Dichloroethene	2.27	96	21298	4.822	ug/l	98
13) Acrolein	2.18	56	17345	17.219	ug/l	98
14) Allyl chloride	2.57	41	39760	3.952	ug/l	91
15) Acrylonitrile	2.92	53	76463	20.834	ug/l	98
16) Acetone	2.30	43	86937	22.436	ug/l	98
17) Carbon Disulfide	2.46	76	70244	4.455	ug/l	98
18) Methyl Acetate	2.60	43	37101	3.787	ug/l	95
19) Methyl tert-butyl Ether	2.98	73	63651	3.865	ug/l	99
20) Methylene Chloride	2.68	84	26961	4.641	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	23224	4.665	ug/l	93
22) Diisopropyl ether	3.54	45	69703	3.548	ug/l #	77
23) Vinyl Acetate	3.50	43	264843	16.209	ug/l	100
24) 1,1-Dichloroethane	3.42	63	45823	4.379	ug/l	99
25) 2-Butanone	4.24	43	101734	19.321	ug/l	100
26) 2,2-Dichloropropane	4.19	77	36247	4.350	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	24669	4.413	ug/l	99
28) Bromochloromethane	4.52	49	23585	4.975	ug/l	97
29) Tetrahydrofuran	4.61	42	58400	17.348	ug/l	99
30) Chloroform	4.65	83	46303	5.019	ug/l	98
31) Cyclohexane	4.97	56	44256	3.632	ug/l #	85
32) 1,1,1-Trichloroethane	4.89	97	37461	4.881	ug/l	97
36) 1,1-Dichloropropene	5.11	75	30161	4.269	ug/l	99
37) Ethyl Acetate	4.36	43	35862	3.986	ug/l	98
38) Carbon Tetrachloride	5.11	117	32661	5.561	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	6.39	83	32310	3.762	ug/l	91
40) Benzene	5.37	78	95173	4.567	ug/l	99
41) Methacrylonitrile	4.52	41	17279	3.524	ug/l #	94
42) 1,2-Dichloroethane	5.38	62	36861	5.012	ug/l	100
43) Isopropyl Acetate	5.53	43	51072	3.613	ug/l	98
44) Trichloroethene	6.16	130	24643	5.200	ug/l	97
45) 1,2-Dichloropropane	6.41	63	27127	4.666	ug/l	98
46) Dibromomethane	6.54	93	17323	4.945	ug/l	98
47) Bromodichloromethane	6.74	83	34327	4.992	ug/l	99
48) Methyl methacrylate	6.60	41	21460	3.073	ug/l	98
49) 1,4-Dioxane	6.60	88	9367	80.221	ug/l	90
51) 4-Methyl-2-Pentanone	7.44	43	176685	19.554	ug/l	97
52) Toluene	7.62	92	54967	4.465	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	32942	4.079	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	36662	4.180	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	25801	5.270	ug/l	97
56) Ethyl methacrylate	8.00	69	26519	3.227	ug/l	98
57) 1,3-Dichloropropane	8.22	76	41758	4.604	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	41293	10.221	ug/l	97
59) 2-Hexanone	8.35	43	129933	18.181	ug/l	92
60) Dibromochloromethane	8.46	129	24983	5.115	ug/l	99
61) 1,2-Dibromoethane	8.57	107	25644	4.977	ug/l	98
64) Tetrachloroethene	8.21	164	23153	5.379	ug/l	98
65) Chlorobenzene	9.10	112	63115	4.656	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	22230	5.042	ug/l	97
67) Ethyl Benzene	9.23	91	94359	3.813	ug/l	99
68) m/p-Xylenes	9.36	106	69115	7.657	ug/l	99
69) o-Xylene	9.76	106	32653	3.732	ug/l	98
70) Styrene	9.77	104	52847	3.607	ug/l	98
71) Bromoform	9.94	173	18218	4.858	ug/l #	100
73) Isopropylbenzene	10.15	105	86382	3.529	ug/l	97
74) N-amyl acetate	10.00	43	31867	2.327	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	40860	4.348	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	37013m	4.530	ug/l	
77) Bromobenzene	10.44	156	25591	4.426	ug/l	96
78) n-propylbenzene	10.57	91	103508	3.419	ug/l	100
79) 2-Chlorotoluene	10.64	91	64749	3.712	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	71090	3.498	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	9632m	2.705	ug/l	
82) 4-Chlorotoluene	10.76	91	75190	3.627	ug/l	98
83) tert-Butylbenzene	11.08	119	67034	3.430	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	68995	3.301	ug/l	99
85) sec-Butylbenzene	11.31	105	85454	3.422	ug/l	100
86) p-Isopropyltoluene	11.46	119	77906	3.623	ug/l	96
87) 1,3-Dichlorobenzene	11.40	146	47409	4.338	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	50682	4.491	ug/l	96
89) n-Butylbenzene	11.87	91	65452	3.045	ug/l	95
90) Hexachloroethane	12.12	117	16077	4.822	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	44280	4.065	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.64	75	7009	3.447	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	19702	2.530	ug/l	96
94) Hexachlorobutadiene	13.67	225	17130	4.696	ug/l	98
95) Naphthalene	13.73	128	42099	1.650	ug/l	98
96) 1,2,3-Trichlorobenzene	13.98	180	20135	2.579	ug/l	95

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

