

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034283.D
 Acq On : 05 Sep 2019 14:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:22:01 PM

Quant Time: Sep 06 07:57:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	320414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	480964	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	467964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	309577	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	239853	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.94%		
35) Dibromofluoromethane	4.86	113	206816	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.42%		
50) Toluene-d8	7.54	98	823913	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.00%		
62) 4-Bromofluorobenzene	10.29	95	311117	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.84%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	154722	46.171	ug/l	98
3) Chloromethane	1.32	50	182229	50.334	ug/l	98
4) Vinyl Chloride	1.40	62	195736	46.874	ug/l	100
5) Bromomethane	1.61	94	111643	52.927	ug/l	100
6) Chloroethane	1.68	64	122689	50.561	ug/l	99
7) Trichlorofluoromethane	1.87	101	261536	46.711	ug/l	98
8) Diethyl Ether	2.09	74	119570	48.549	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	174420	47.034	ug/l	100
10) Methyl Iodide	2.40	142	147744	44.043	ug/l	100
11) Tert butyl alcohol	2.81	59	274383	267.900	ug/l	100
12) 1,1-Dichloroethene	2.27	96	167505	48.049	ug/l	97
13) Acrolein	2.18	56	176355	204.867	ug/l	100
14) Allyl chloride	2.58	41	324700m	48.719	ug/l	
15) Acrylonitrile	2.92	53	662415	259.721	ug/l	99
16) Acetone	2.31	43	560560	223.438	ug/l	99
17) Carbon Disulfide	2.46	76	352756	45.023	ug/l	99
18) Methyl Acetate	2.60	43	290523	47.591	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	654548	51.512	ug/l	99
20) Methylene Chloride	2.68	84	211376	51.451	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	177355	48.277	ug/l	98
22) Diisopropyl ether	3.55	45	671315	51.650	ug/l	99
23) Vinyl Acetate	3.50	43	2823398	266.683	ug/l	99
24) 1,1-Dichloroethane	3.42	63	372499	47.991	ug/l	99
25) 2-Butanone	4.24	43	876805	261.818	ug/l	100
26) 2,2-Dichloropropane	4.20	77	298465	47.810	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	222494	49.866	ug/l	99
28) Bromochloromethane	4.52	49	164895	46.187	ug/l	99
29) Tetrahydrofuran	4.61	42	545696	267.783	ug/l	100
30) Chloroform	4.65	83	369602	46.846	ug/l	98
31) Cyclohexane	4.97	56	274611	48.360	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	306691	48.619	ug/l	99
36) 1,1-Dichloropropene	5.12	75	244795	46.931	ug/l	100
37) Ethyl Acetate	4.36	43	308806	50.073	ug/l	99
38) Carbon Tetrachloride	5.11	117	259129	46.527	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	273487	49.047	ug/l	99
40) Benzene	5.37	78	803356	47.730	ug/l	99
41) Methacrylonitrile	4.52	41	170816	51.999	ug/l	99
42) 1,2-Dichloroethane	5.38	62	274433	46.963	ug/l	100
43) Isopropyl Acetate	5.53	43	485815	50.497	ug/l	99
44) Trichloroethene	6.16	130	215516	46.273	ug/l	96
45) 1,2-Dichloropropane	6.41	63	233410	47.437	ug/l	99
46) Dibromomethane	6.54	93	146156	47.321	ug/l	100
47) Bromodichloromethane	6.74	83	301105	47.362	ug/l	100
48) Methyl methacrylate	6.60	41	229293	50.180	ug/l	99
49) 1,4-Dioxane	6.59	88	110451	1106.950	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1663310	249.769	ug/l	99
52) Toluene	7.62	92	509205	48.228	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	327543	49.700	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	361290	49.949	ug/l	100
55) 1,1,2-Trichloroethane	8.04	97	229414	47.852	ug/l	99
56) Ethyl methacrylate	8.00	69	346490	47.719	ug/l	99
57) 1,3-Dichloropropane	8.22	76	375650	48.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	656793	265.428	ug/l	100
59) 2-Hexanone	8.34	43	1286272	258.552	ug/l	100
60) Dibromochloromethane	8.46	129	247108	48.054	ug/l	98
61) 1,2-Dibromoethane	8.57	107	226638	48.298	ug/l	99
64) Tetrachloroethene	8.21	164	189029	46.561	ug/l	97
65) Chlorobenzene	9.10	112	587445	49.480	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	217898	48.091	ug/l	99
67) Ethyl Benzene	9.23	91	998460	51.435	ug/l	99
68) m/p-Xylenes	9.35	106	767620	105.012	ug/l	100
69) o-Xylene	9.76	106	374560	52.395	ug/l	100
70) Styrene	9.77	104	674392	53.807	ug/l	99
71) Bromoform	9.94	173	195876	49.882	ug/l	# 100
73) Isopropylbenzene	10.15	105	1026939	50.973	ug/l	100
74) N-amyl acetate	9.99	43	450456	55.546	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	390014	47.826	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	324804m	48.066	ug/l	
77) Bromobenzene	10.43	156	279896	49.687	ug/l	100
78) n-propylbenzene	10.57	91	1200821	51.610	ug/l	100
79) 2-Chlorotoluene	10.64	91	707297	49.821	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	899386	53.378	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	109460m	54.474	ug/l	
82) 4-Chlorotoluene	10.75	91	831529	50.897	ug/l	100
83) tert-Butylbenzene	11.08	119	876908	52.024	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	901995	53.181	ug/l	99
85) sec-Butylbenzene	11.30	105	1049531	52.742	ug/l	99
86) p-Isopropyltoluene	11.45	119	972067	52.925	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	508810	49.498	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	506652	47.255	ug/l	100
89) n-Butylbenzene	11.87	91	878206	55.021	ug/l	99
90) Hexachloroethane	12.12	117	149899	51.012	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	501758	49.667	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	81049	54.086	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	367946	50.204	ug/l	100
94) Hexachlorobutadiene	13.67	225	171436	48.513	ug/l	99
95) Naphthalene	13.72	128	1057888	51.171	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	364197	51.386	ug/l	100

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

