

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090519\
 Data File : VU034243.D
 Acq On : 04 Sep 2019 09:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 5:00:59 PM

Quant Time: Sep 05 04:30:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	380400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	564746	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	545549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	308971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	231648	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
35) Dibromofluoromethane	4.86	113	202763	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	7.54	98	768870	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	10.29	95	294064	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	169762	44.373	ug/l	99
3) Chloromethane	1.32	50	206534	40.005	ug/l	100
4) Vinyl Chloride	1.40	62	217050	42.627	ug/l	98
5) Bromomethane	1.61	94	118123	47.957	ug/l	98
6) Chloroethane	1.68	64	133172	42.780	ug/l	98
7) Trichlorofluoromethane	1.87	101	271325	45.988	ug/l	99
8) Diethyl Ether	2.09	74	118124	46.801	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.27	101	180016	48.163	ug/l	98
10) Methyl Iodide	2.40	142	163652	30.866	ug/l	99
11) Tert butyl alcohol	2.81	59	234140	208.306	ug/l	100
12) 1,1-Dichloroethene	2.27	96	174436	45.806	ug/l	98
13) Acrolein	2.18	56	76721	162.254	ug/l	99
14) Allyl chloride	2.58	41	322274m	45.010	ug/l	
15) Acrylonitrile	2.92	53	607463	235.517	ug/l	99
16) Acetone	2.31	43	647220	260.237	ug/l	98
17) Carbon Disulfide	2.46	76	468725	38.890	ug/l	99
18) Methyl Acetate	2.60	43	286631	44.598	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	594784	47.668	ug/l	99
20) Methylene Chloride	2.68	84	212013	45.030	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	187265	45.310	ug/l	99
22) Diisopropyl ether	3.55	45	633171	48.260	ug/l	99
23) Vinyl Acetate	3.50	43	2655986	235.656	ug/l	99
24) 1,1-Dichloroethane	3.42	63	359235	46.377	ug/l	99
25) 2-Butanone	4.23	43	858460	248.100	ug/l	99
26) 2,2-Dichloropropane	4.20	77	299277	47.482	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	214245	46.184	ug/l	98
28) Bromochloromethane	4.52	49	189802	49.735	ug/l	97
29) Tetrahydrofuran	4.61	42	503730	236.065	ug/l	99
30) Chloroform	4.65	83	353204	45.702	ug/l	98
31) Cyclohexane	4.97	56	303110	41.644	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	294026	46.452	ug/l	99
36) 1,1-Dichloropropene	5.11	75	255824	47.891	ug/l	100
37) Ethyl Acetate	4.35	43	286027	47.816	ug/l	100
38) Carbon Tetrachloride	5.11	117	252780	49.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	302520	48.050	ug/l	99
40) Benzene	5.37	78	787120	48.703	ug/l	100
41) Methacrylonitrile	4.52	41	157744	51.419	ug/l	99
42) 1,2-Dichloroethane	5.38	62	266421	47.738	ug/l	98
43) Isopropyl Acetate	5.53	43	439226	48.264	ug/l	100
44) Trichloroethene	6.16	130	210761	49.660	ug/l	98
45) 1,2-Dichloropropane	6.41	63	221797	49.854	ug/l	99
46) Dibromomethane	6.54	93	142805	49.822	ug/l	99
47) Bromodichloromethane	6.74	83	283573	50.567	ug/l	100
48) Methyl methacrylate	6.60	41	215415	49.053	ug/l	97
49) 1,4-Dioxane	6.59	88	102060	927.564	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1508314	239.993	ug/l	99
52) Toluene	7.62	92	497940	50.014	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	307131	49.359	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	343159	50.479	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	213057	50.592	ug/l	99
56) Ethyl methacrylate	8.00	69	309072	44.357	ug/l	98
57) 1,3-Dichloropropane	8.22	76	350242	48.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	588548	252.617	ug/l	99
59) 2-Hexanone	8.34	43	1190213	250.862	ug/l	100
60) Dibromochloromethane	8.46	129	227395	50.303	ug/l	99
61) 1,2-Dibromoethane	8.57	107	216310	48.760	ug/l	100
64) Tetrachloroethene	8.21	164	187561	51.194	ug/l	99
65) Chlorobenzene	9.10	112	549197	48.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	200232	49.185	ug/l	99
67) Ethyl Benzene	9.23	91	945862	49.701	ug/l	99
68) m/p-Xylenes	9.36	106	747098	103.243	ug/l	99
69) o-Xylene	9.76	106	348016	50.128	ug/l	99
70) Styrene	9.77	104	634772	53.325	ug/l	99
71) Bromoform	9.94	173	175421	49.596	ug/l #	99
73) Isopropylbenzene	10.15	105	965209	46.508	ug/l	100
74) N-amyl acetate	9.99	43	402958	46.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	353775	44.537	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	312289m	44.846	ug/l	
77) Bromobenzene	10.43	156	252903	45.301	ug/l	99
78) n-propylbenzene	10.57	91	1146688	47.444	ug/l	100
79) 2-Chlorotoluene	10.64	91	669595	46.189	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	851796	48.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	82729m	40.003	ug/l	
82) 4-Chlorotoluene	10.75	91	789665	47.363	ug/l	99
83) tert-Butylbenzene	11.08	119	793239	45.810	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	855909	49.003	ug/l	99
85) sec-Butylbenzene	11.31	105	986475	47.532	ug/l	100
86) p-Isopropyltoluene	11.46	119	924444	49.250	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	475071	48.067	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	478027	47.825	ug/l	100
89) n-Butylbenzene	11.87	91	835208	50.469	ug/l	100
90) Hexachloroethane	12.12	117	141782	43.689	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	462665	48.868	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	71169	44.973	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	322982	48.007	ug/l	99
94) Hexachlorobutadiene	13.67	225	166663	45.000	ug/l	98
95) Naphthalene	13.72	128	874565	45.515	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	321516	53.013	ug/l	99

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

