

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090619\
 Data File : VU034277.D
 Acq On : 05 Sep 2019 12:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU090619

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:46 PM

Quant Time: Sep 06 05:24:04 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	347911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	504055	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	502261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	323506	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	248870	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	4.86	113	218633	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	7.54	98	860889	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	10.29	95	321181	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	168745	46.376	ug/l	99
3) Chloromethane	1.32	50	203229	51.701	ug/l	98
4) Vinyl Chloride	1.40	62	208392	45.960	ug/l	97
5) Bromomethane	1.61	94	123190	53.861	ug/l	98
6) Chloroethane	1.68	64	131349	49.838	ug/l	98
7) Trichlorofluoromethane	1.87	101	281447	46.294	ug/l	100
8) Diethyl Ether	2.09	74	127454	47.661	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	189899	47.161	ug/l	98
10) Methyl Iodide	2.40	142	144915m	40.157	ug/l	
11) Tert butyl alcohol	2.81	59	315260	283.484	ug/l	100
12) 1,1-Dichloroethene	2.27	96	173831	45.923	ug/l	99
13) Acrolein	2.18	56	212781	227.646	ug/l	99
14) Allyl chloride	2.58	41	349686m	48.321	ug/l	
15) Acrylonitrile	2.92	53	736387	265.905	ug/l	98
16) Acetone	2.31	43	734693	269.702	ug/l	99
17) Carbon Disulfide	2.46	76	384177	45.158	ug/l	100
18) Methyl Acetate	2.60	43	322724	48.688	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	697794	50.575	ug/l	99
20) Methylene Chloride	2.68	84	225434	50.529	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	188139	47.165	ug/l	99
22) Diisopropyl ether	3.55	45	708657	50.214	ug/l	99
23) Vinyl Acetate	3.50	43	3043989	264.794	ug/l	99
24) 1,1-Dichloroethane	3.42	63	392056	46.518	ug/l	99
25) 2-Butanone	4.23	43	1044886	287.348	ug/l	100
26) 2,2-Dichloropropane	4.20	77	330038	48.689	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	238651	49.260	ug/l	99
28) Bromochloromethane	4.52	49	176361	45.494	ug/l	100
29) Tetrahydrofuran	4.61	42	614719	277.812	ug/l	100
30) Chloroform	4.65	83	390993	45.641	ug/l	100
31) Cyclohexane	4.97	56	295352	47.902	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	325151	47.472	ug/l	99
36) 1,1-Dichloropropene	5.11	75	264178	48.326	ug/l	99
37) Ethyl Acetate	4.35	43	349581	54.088	ug/l	99
38) Carbon Tetrachloride	5.11	117	275846	47.260	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	298133	51.018	ug/l	98
40) Benzene	5.37	78	845493	47.933	ug/l	100
41) Methacrylonitrile	4.51	41	189232	54.966	ug/l	98
42) 1,2-Dichloroethane	5.38	62	289483	47.269	ug/l	100
43) Isopropyl Acetate	5.53	43	533058	52.869	ug/l	99
44) Trichloroethene	6.16	130	230291	47.180	ug/l	97
45) 1,2-Dichloropropane	6.41	63	245670	47.641	ug/l	98
46) Dibromomethane	6.54	93	154770	47.815	ug/l	99
47) Bromodichloromethane	6.73	83	317017	47.580	ug/l	99
48) Methyl methacrylate	6.60	41	255084	53.267	ug/l	100
49) 1,4-Dioxane	6.59	88	119016	1138.147	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1863138	266.959	ug/l	99
52) Toluene	7.62	92	540469	48.844	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	353350	51.160	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	385373	50.838	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	239010	47.570	ug/l	98
56) Ethyl methacrylate	8.00	69	373159	48.953	ug/l	100
57) 1,3-Dichloropropane	8.22	76	394424	48.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	738551	283.583	ug/l	100
59) 2-Hexanone	8.34	43	1468136	281.589	ug/l	99
60) Dibromochloromethane	8.46	129	265925	49.344	ug/l	99
61) 1,2-Dibromoethane	8.57	107	245653	49.952	ug/l	99
64) Tetrachloroethene	8.21	164	200581	46.032	ug/l	98
65) Chlorobenzene	9.10	112	621944	48.808	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	232634	47.838	ug/l	100
67) Ethyl Benzene	9.23	91	1057782	50.770	ug/l	100
68) m/p-Xylenes	9.36	106	814393	103.803	ug/l	100
69) o-Xylene	9.76	106	396393	51.663	ug/l	100
70) Styrene	9.77	104	710152	52.791	ug/l	99
71) Bromoform	9.94	173	212211	50.352	ug/l #	100
73) Isopropylbenzene	10.15	105	1084937	51.534	ug/l	100
74) N-amyl acetate	10.00	43	479205	56.547	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	411173	48.250	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	365848m	51.808	ug/l	
77) Bromobenzene	10.43	156	290714	49.385	ug/l	100
78) n-propylbenzene	10.57	91	1267211	52.118	ug/l	100
79) 2-Chlorotoluene	10.64	91	748160	50.430	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	936504	53.188	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	125884m	59.950	ug/l	
82) 4-Chlorotoluene	10.75	91	875037	51.254	ug/l	100
83) tert-Butylbenzene	11.08	119	924340	52.477	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	943959	53.259	ug/l	100
85) sec-Butylbenzene	11.31	105	1108167	53.291	ug/l	100
86) p-Isopropyltoluene	11.46	119	1031470	53.741	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	537480	50.036	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	533562	47.622	ug/l	100
89) n-Butylbenzene	11.87	91	937002	56.177	ug/l	100
90) Hexachloroethane	12.13	117	159643	51.989	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	517081	48.980	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	89490	57.148	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	387527	50.572	ug/l	99
94) Hexachlorobutadiene	13.67	225	190823	51.674	ug/l	99
95) Naphthalene	13.72	128	1147122	52.949	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	383839	51.803	ug/l	100

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

