

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110818\
 Data File : VU028031.D
 Acq On : 08 Nov 2018 17:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 3:17:47 PM

Quant Time: Nov 09 09:27:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	189207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	328547	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	310472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	154274	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	135166	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	4.88	113	101022	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	7.57	98	385841	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	10.31	95	148852	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	93634	38.946	ug/l	97
3) Chloromethane	1.33	50	124420	42.790	ug/l	99
4) Vinyl Chloride	1.40	62	128391	44.489	ug/l	99
5) Bromomethane	1.62	94	58014	48.978	ug/l	98
6) Chloroethane	1.69	64	78034	46.922	ug/l	98
7) Trichlorofluoromethane	1.89	101	156637	46.970	ug/l	95
8) Diethyl Ether	2.11	74	70057	49.063	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	99363	50.157	ug/l	99
10) Methyl Iodide	2.41	142	83758	46.651	ug/l	98
11) Tert butyl alcohol	2.83	59	176445	236.933	ug/l	99
12) 1,1-Dichloroethene	2.29	96	91183	45.983	ug/l	97
13) Acrolein	2.20	56	33812	119.896	ug/l	98
14) Allyl chloride	2.59	41	219540	45.299	ug/l	98
15) Acrylonitrile	2.94	53	455810	249.172	ug/l	99
16) Acetone	2.32	43	429482	246.077	ug/l	99
17) Carbon Disulfide	2.48	76	254750	39.304	ug/l	99
18) Methyl Acetate	2.62	43	241270	50.253	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	395704	49.483	ug/l	99
20) Methylene Chloride	2.70	84	121641	47.735	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	100672	43.991	ug/l	97
22) Diisopropyl ether	3.58	45	494081	49.380	ug/l	99
23) Vinyl Acetate	3.53	43	2116965	246.180	ug/l	100
24) 1,1-Dichloroethane	3.45	63	237586	47.671	ug/l	99
25) 2-Butanone	4.26	43	688937	248.120	ug/l	98
26) 2,2-Dichloropropane	4.23	77	184776	49.403	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	126269	49.204	ug/l	99
28) Bromochloromethane	4.55	49	118309	50.636	ug/l	100
29) Tetrahydrofuran	4.64	42	436289	235.315	ug/l	99
30) Chloroform	4.67	83	219402	48.012	ug/l	99
31) Cyclohexane	5.00	56	218538	44.498	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	175438	48.229	ug/l	98
36) 1,1-Dichloropropene	5.14	75	158418	46.039	ug/l	100
37) Ethyl Acetate	4.38	43	240734	47.747	ug/l	99
38) Carbon Tetrachloride	5.14	117	142815	46.833	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	193536	46.633	ug/l	98
40) Benzene	5.39	78	501425	47.662	ug/l	98
41) Methacrylonitrile	4.54	41	136952	50.899	ug/l	98
42) 1,2-Dichloroethane	5.40	62	177710	47.522	ug/l	99
43) Isopropyl Acetate	5.55	43	389302	49.285	ug/l	100
44) Trichloroethene	6.19	130	108834	48.127	ug/l	99
45) 1,2-Dichloropropane	6.43	63	150252	49.522	ug/l	100
46) Dibromomethane	6.56	93	85992	49.308	ug/l	97
47) Bromodichloromethane	6.76	83	171040	50.892	ug/l	100
48) Methyl methacrylate	6.62	41	195074	50.396	ug/l	99
49) 1,4-Dioxane	6.61	88	65417	1035.846	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	1300168	246.467	ug/l	100
52) Toluene	7.64	92	296005	47.859	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	199599	47.938	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	214109	51.678	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	125696	49.953	ug/l	97
56) Ethyl methacrylate	8.02	69	228932	51.591	ug/l	99
57) 1,3-Dichloropropane	8.24	76	231087	50.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	602246	253.408	ug/l	99
59) 2-Hexanone	8.36	43	1018278	249.576	ug/l	99
60) Dibromochloromethane	8.48	129	123947	52.054	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132643	49.610	ug/l	98
64) Tetrachloroethene	8.23	164	89290	44.353	ug/l	98
65) Chlorobenzene	9.12	112	317662	48.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	111090	49.583	ug/l	100
67) Ethyl Benzene	9.25	91	585823	48.520	ug/l	99
68) m/p-Xylenes	9.38	106	427625	97.612	ug/l	99
69) o-Xylene	9.78	106	211664	47.847	ug/l	99
70) Styrene	9.79	104	350132	49.535	ug/l	100
71) Bromoform	9.96	173	95521	50.872	ug/l #	98
73) Isopropylbenzene	10.17	105	576521	48.239	ug/l	100
74) N-amyl acetate	10.01	43	353269	48.883	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	231600	48.041	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	232714m	55.148	ug/l	
77) Bromobenzene	10.45	156	134032	48.908	ug/l	99
78) n-propylbenzene	10.59	91	701404	49.029	ug/l	100
79) 2-Chlorotoluene	10.66	91	404359	47.156	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	480462	48.529	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	90678m	53.633	ug/l	
82) 4-Chlorotoluene	10.77	91	468143	48.089	ug/l	99
83) tert-Butylbenzene	11.10	119	473920	47.882	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	496068	49.759	ug/l	98
85) sec-Butylbenzene	11.32	105	595377	49.462	ug/l	100
86) p-Isopropyltoluene	11.48	119	498418	49.531	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	243480	48.095	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	245362	47.287	ug/l	100
89) n-Butylbenzene	11.89	91	487809	51.008	ug/l	99
90) Hexachloroethane	12.15	117	88429	49.359	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	248950	48.900	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50943	50.150	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	169431	47.490	ug/l	99
94) Hexachlorobutadiene	13.69	225	80892	49.994	ug/l	98
95) Naphthalene	13.74	128	614940	48.589	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	172396	50.465	ug/l	98

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

