

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110618\
 Data File : VU027989.D
 Acq On : 06 Nov 2018 16:27
 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
 11/7/2018 11:15:51 AM

Quant Time: Nov 06 16:47:49 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	4.98	168	207337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	353112	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	329360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	166555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	148009	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	4.88	113	112863	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	7.57	98	430084	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	10.31	95	165094	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	102900	39.057	ug/l	100
3) Chloromethane	1.33	50	141778	44.496	ug/l	97
4) Vinyl Chloride	1.40	62	138157	43.687	ug/l	99
5) Bromomethane	1.62	94	52861	41.870	ug/l	98
6) Chloroethane	1.69	64	86119	47.255	ug/l	98
7) Trichlorofluoromethane	1.88	101	168000	45.973	ug/l	96
8) Diethyl Ether	2.11	74	75183	48.049	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	100662	46.369	ug/l	99
10) Methyl Iodide	2.41	142	56964	31.897	ug/l	98
11) Tert butyl alcohol	2.83	59	172501	211.382	ug/l	99
12) 1,1-Dichloroethene	2.29	96	92617	42.622	ug/l	99
13) Acrolein	2.20	56	82781	276.489	ug/l	99
14) Allyl chloride	2.59	41	232437	43.766	ug/l	99
15) Acrylonitrile	2.94	53	465512	232.223	ug/l	100
16) Acetone	2.32	43	425485	222.470	ug/l	98
17) Carbon Disulfide	2.48	76	297788	41.926	ug/l	99
18) Methyl Acetate	2.61	43	237365	45.117	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	413388	47.174	ug/l	98
20) Methylene Chloride	2.70	84	127135	45.528	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	110879	44.215	ug/l	99
22) Diisopropyl ether	3.57	45	515966	47.058	ug/l	99
23) Vinyl Acetate	3.52	43	2229750	236.622	ug/l	100
24) 1,1-Dichloroethane	3.45	63	250257	45.823	ug/l	99
25) 2-Butanone	4.26	43	690007	226.775	ug/l	98
26) 2,2-Dichloropropane	4.23	77	192141	46.880	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	135793	48.288	ug/l	100
28) Bromochloromethane	4.55	49	123678	48.305	ug/l	99
29) Tetrahydrofuran	4.64	42	440886	217.001	ug/l	98
30) Chloroform	4.67	83	230317	45.994	ug/l	100
31) Cyclohexane	5.00	56	239703	44.541	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	187919	47.143	ug/l	98
36) 1,1-Dichloropropene	5.14	75	170845	46.196	ug/l	99
37) Ethyl Acetate	4.38	43	245066	45.225	ug/l	100
38) Carbon Tetrachloride	5.14	117	152795	46.620	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	213790	47.929	ug/l	99
40) Benzene	5.39	78	532510	47.096	ug/l	98
41) Methacrylonitrile	4.54	41	141736	49.012	ug/l	99
42) 1,2-Dichloroethane	5.40	62	186131	46.311	ug/l	99
43) Isopropyl Acetate	5.55	43	400080	47.126	ug/l	99
44) Trichloroethene	6.19	130	116654	47.996	ug/l	98
45) 1,2-Dichloropropane	6.43	63	155860	47.797	ug/l	97
46) Dibromomethane	6.56	93	89910	47.968	ug/l	98
47) Bromodichloromethane	6.76	83	178127	49.314	ug/l	100
48) Methyl methacrylate	6.62	41	199728	48.008	ug/l	99
49) 1,4-Dioxane	6.61	88	62915	926.923	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	1296997	228.762	ug/l	99
52) Toluene	7.64	92	320567	48.225	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	208600	46.645	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	226347	50.831	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	129668	47.947	ug/l	97
56) Ethyl methacrylate	8.02	69	237296	49.756	ug/l	99
57) 1,3-Dichloropropane	8.24	76	236075	47.921	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	630705	246.921	ug/l	99
59) 2-Hexanone	8.36	43	1017856	232.118	ug/l	99
60) Dibromochloromethane	8.48	129	131883	51.534	ug/l	98
61) 1,2-Dibromoethane	8.59	107	140383	48.852	ug/l	98
64) Tetrachloroethene	8.23	164	98391	46.071	ug/l	98
65) Chlorobenzene	9.12	112	334826	48.118	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	115906	48.766	ug/l	99
67) Ethyl Benzene	9.25	91	627332	48.979	ug/l	99
68) m/p-Xylenes	9.38	106	459243	98.818	ug/l	99
69) o-Xylene	9.78	106	227504	48.479	ug/l	99
70) Styrene	9.79	104	372686	49.703	ug/l	100
71) Bromoform	9.96	173	100208	50.307	ug/l #	100
73) Isopropylbenzene	10.17	105	613649	47.559	ug/l	100
74) N-amyl acetate	10.01	43	365968	46.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	240544	46.217	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	240379m	52.764	ug/l	
77) Bromobenzene	10.45	156	139511	47.154	ug/l	98
78) n-propylbenzene	10.59	91	758555	49.114	ug/l	100
79) 2-Chlorotoluene	10.66	91	434846	46.972	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	513532	48.045	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	96739m	53.002	ug/l	
82) 4-Chlorotoluene	10.77	91	500033	47.577	ug/l	99
83) tert-Butylbenzene	11.10	119	504467	47.210	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	527049	48.969	ug/l	99
85) sec-Butylbenzene	11.32	105	644265	49.577	ug/l	99
86) p-Isopropyltoluene	11.48	119	540957	49.795	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	263131	48.145	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	266995	47.662	ug/l	99
89) n-Butylbenzene	11.89	91	537215	52.033	ug/l	99
90) Hexachloroethane	12.15	117	94164	48.685	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	266147	48.423	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	52264	47.656	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	186062	48.294	ug/l	99
94) Hexachlorobutadiene	13.69	225	89793	51.404	ug/l	99
95) Naphthalene	13.74	128	643397	47.083	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	191479	51.918	ug/l	100

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

