

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027041.D
 Acq On : 23 Sep 2018 01:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:30 PM

Quant Time: Sep 24 06:05:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	82922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	139324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	85126	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	4.88	113	60262	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	7.57	98	232730	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	10.31	95	85151	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	50402	46.554	ug/l	97
3) Chloromethane	1.33	50	85341	45.720	ug/l	99
4) Vinyl Chloride	1.40	62	83628	47.996	ug/l	99
5) Bromomethane	1.61	94	43558	43.899	ug/l	98
6) Chloroethane	1.69	64	55227	49.607	ug/l	97
7) Trichlorofluoromethane	1.88	101	96195	48.609	ug/l	98
8) Diethyl Ether	2.10	74	47197	49.549	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	58309	47.920	ug/l	98
10) Methyl Iodide	2.41	142	63533	42.099	ug/l	100
11) Tert butyl alcohol	2.83	59	99349	259.713	ug/l	99
12) 1,1-Dichloroethene	2.28	96	54730	47.788	ug/l	96
13) Acrolein	2.20	56	50986	247.252	ug/l	98
14) Allyl chloride	2.59	41	123242	53.055	ug/l	98
15) Acrylonitrile	2.94	53	251331	260.681	ug/l	98
16) Acetone	2.32	43	224134	253.023	ug/l	99
17) Carbon Disulfide	2.48	76	175288	46.982	ug/l	100
18) Methyl Acetate	2.61	43	127947	53.862	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	224340	53.305	ug/l	100
20) Methylene Chloride	2.70	84	70930	47.455	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	61420	50.230	ug/l	99
22) Diisopropyl ether	3.57	45	276369	55.625	ug/l	99
23) Vinyl Acetate	3.53	43	1183517	279.446	ug/l	99
24) 1,1-Dichloroethane	3.45	63	141866	51.843	ug/l	99
25) 2-Butanone	4.26	43	362876	258.724	ug/l	99
26) 2,2-Dichloropropane	4.23	77	88813	41.616	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	70197	50.834	ug/l	99
28) Bromochloromethane	4.55	49	74051	56.138	ug/l	95
29) Tetrahydrofuran	4.64	42	236678	278.952	ug/l	97
30) Chloroform	4.67	83	126673	49.870	ug/l	99
31) Cyclohexane	5.00	56	128817	51.807	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	104180	51.370	ug/l	100
36) 1,1-Dichloropropene	5.14	75	95032	51.108	ug/l	98
37) Ethyl Acetate	4.38	43	131478	52.232	ug/l	99
38) Carbon Tetrachloride	5.13	117	87310	49.342	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	108657	53.772	ug/l	99
40) Benzene	5.39	78	285730	50.548	ug/l	100
41) Methacrylonitrile	4.54	41	74212	56.768	ug/l	98
42) 1,2-Dichloroethane	5.40	62	110862	51.910	ug/l	99
43) Isopropyl Acetate	5.55	43	201229	54.816	ug/l	99
44) Trichloroethene	6.19	130	61049	50.731	ug/l	98
45) 1,2-Dichloropropane	6.43	63	84279	52.326	ug/l	99
46) Dibromomethane	6.56	93	49191	50.569	ug/l	97
47) Bromodichloromethane	6.76	83	98347	50.000	ug/l	99
48) Methyl methacrylate	6.62	41	103939	51.979	ug/l	98
49) 1,4-Dioxane	6.61	88	40917	1031.212	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	697249	282.404	ug/l	99
52) Toluene	7.64	92	171385	52.895	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	111631	52.823	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	122420	52.685	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	69895	50.910	ug/l	98
56) Ethyl methacrylate	8.02	69	118388	49.711	ug/l	97
57) 1,3-Dichloropropane	8.24	76	135473	53.054	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	343468	253.982	ug/l	99
59) 2-Hexanone	8.36	43	528218	273.311	ug/l	100
60) Dibromochloromethane	8.48	129	70396	52.274	ug/l	99
61) 1,2-Dibromoethane	8.59	107	74012	51.812	ug/l	99
64) Tetrachloroethene	8.23	164	52447	49.534	ug/l	97
65) Chlorobenzene	9.12	112	178110	48.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	64574	51.457	ug/l	99
67) Ethyl Benzene	9.25	91	324525	54.168	ug/l	99
68) m/p-Xylenes	9.38	106	241550	99.561	ug/l	98
69) o-Xylene	9.78	106	115885	54.593	ug/l	98
70) Styrene	9.79	104	196819	49.671	ug/l	99
71) Bromoform	9.96	173	50631	52.174	ug/l #	99
73) Isopropylbenzene	10.17	105	318864	55.050	ug/l	99
74) N-amyl acetate	10.02	43	185863	55.435	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	124408	46.715	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	107393m	46.425	ug/l	
77) Bromobenzene	10.45	156	72339	51.107	ug/l	97
78) n-propylbenzene	10.59	91	386019	56.324	ug/l	99
79) 2-Chlorotoluene	10.66	91	228354	53.045	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	265132	55.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	34532m	47.772	ug/l	
82) 4-Chlorotoluene	10.77	91	259486	53.757	ug/l	99
83) tert-Butylbenzene	11.10	119	250998	53.097	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	271376	55.770	ug/l	99
85) sec-Butylbenzene	11.32	105	321464	55.709	ug/l	100
86) p-Isopropyltoluene	11.48	119	273108	50.431	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	130980	49.727	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	135433	47.177	ug/l	99
89) n-Butylbenzene	11.89	91	257096	49.031	ug/l	99
90) Hexachloroethane	12.15	117	50900	48.507	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	133726	47.795	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27551	50.712	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	85702	53.153	ug/l	98
94) Hexachlorobutadiene	13.69	225	41267	48.372	ug/l	98
95) Naphthalene	13.74	128	313306	49.709	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	90934	52.591	ug/l	99

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

