

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024890.D
 Acq On : 25 Jun 2018 21:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 6/27/2018 11:21:53 AM

Quant Time: Jun 26 05:47:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	181049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	279680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	136940	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
35) Dibromofluoromethane	4.89	113	110482	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	7.57	98	387024	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
62) 4-Bromofluorobenzene	10.31	95	163263	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	94576	41.73	ug/l	99
3) Chloromethane	1.33	50	94963	41.02	ug/l	99
4) Vinyl Chloride	1.40	62	104279	43.67	ug/l	100
5) Bromomethane	1.61	94	62556	54.20	ug/l	99
6) Chloroethane	1.69	64	69517	52.15	ug/l	98
7) Trichlorofluoromethane	1.88	101	173073	47.50	ug/l	99
8) Diethyl Ether	2.10	74	64101	51.76	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	100042	44.26	ug/l	97
10) Methyl Iodide	2.41	142	105145	54.44	ug/l	100
11) Tert butyl alcohol	2.83	59	156193	217.28	ug/l	99
12) 1,1-Dichloroethene	2.28	96	92465	44.85	ug/l	95
13) Acrolein	2.19	56	51282	135.85	ug/l	99
14) Allyl chloride	2.59	41	163243	42.65	ug/l	99
15) Acrylonitrile	2.93	53	325537	232.76	ug/l	100
16) Acetone	2.32	43	316765	199.46	ug/l	99
17) Carbon Disulfide	2.48	76	248194	37.60	ug/l	99
18) Methyl Acetate	2.62	43	177626	52.17	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	376475	48.58	ug/l	95
20) Methylene Chloride	2.70	84	117770	47.26	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	101805	44.84	ug/l	96
22) Diisopropyl ether	3.57	45	365305	48.14	ug/l	97
23) Vinyl Acetate	3.53	43	1553659	228.58	ug/l	99
24) 1,1-Dichloroethane	3.45	63	207016	47.43	ug/l	98
25) 2-Butanone	4.26	43	479433	224.75	ug/l	98
26) 2,2-Dichloropropane	4.23	77	174125	42.01	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	123214	47.20	ug/l	99
28) Bromochloromethane	4.55	49	89922	46.77	ug/l	88
29) Tetrahydrofuran	4.64	42	298551	226.01	ug/l	96
30) Chloroform	4.68	83	215126	48.69	ug/l	97
31) Cyclohexane	5.00	56	177195	45.54	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	194350	47.57	ug/l	96
36) 1,1-Dichloropropene	5.14	75	148576	45.21	ug/l	97
37) Ethyl Acetate	4.38	43	173311	48.38	ug/l	97
38) Carbon Tetrachloride	5.14	117	173444	47.99	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182507	44.50	ug/l	95
40) Benzene	5.39	78	448871	47.93	ug/l	100
41) Methacrylonitrile	4.54	41	97538	50.50	ug/l	98
42) 1,2-Dichloroethane	5.41	62	183404	51.42	ug/l	100
43) Isopropyl Acetate	5.55	43	285415	46.10	ug/l	99
44) Trichloroethene	6.19	130	125016	46.91	ug/l	93
45) 1,2-Dichloropropane	6.44	63	122800	49.15	ug/l	98
46) Dibromomethane	6.56	93	86425	49.24	ug/l	95
47) Bromodichloromethane	6.76	83	168514	48.22	ug/l	98
48) Methyl methacrylate	6.62	41	146563	48.61	ug/l	98
49) 1,4-Dioxane	6.62	88	68766	1166.29	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	939515	241.53	ug/l	99
52) Toluene	7.64	92	287579	47.73	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	183745	46.82	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	192632	46.06	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	120531	49.22	ug/l	98
56) Ethyl methacrylate	8.02	69	197801	48.26	ug/l	98
57) 1,3-Dichloropropane	8.25	76	203456	49.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	70860	45.12	ug/l	95
59) 2-Hexanone	8.36	43	753655	237.32	ug/l	100
60) Dibromochloromethane	8.48	129	143497	46.99	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132216	48.50	ug/l	100
64) Tetrachloroethene	8.23	164	116283	45.67	ug/l	98
65) Chlorobenzene	9.12	112	334734	48.92	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	128799	49.54	ug/l	98
67) Ethyl Benzene	9.25	91	575079	47.94	ug/l	97
68) m/p-Xylenes	9.38	106	453084	98.36	ug/l	97
69) o-Xylene	9.78	106	224479	49.24	ug/l	97
70) Styrene	9.80	104	372545	49.73	ug/l	99
71) Bromoform	9.96	173	113710	46.02	ug/l #	99
73) Isopropylbenzene	10.17	105	611293	47.84	ug/l	99
74) N-amyl acetate	10.01	43	275037	45.25	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	207241	48.40	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	202908m	55.38	ug/l	
77) Bromobenzene	10.45	156	154719	47.83	ug/l	96
78) n-propylbenzene	10.59	91	691916	45.97	ug/l	97
79) 2-Chlorotoluene	10.66	91	417366	47.02	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	529851	47.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	66268m	41.86	ug/l	
82) 4-Chlorotoluene	10.78	91	490681	47.50	ug/l	100
83) tert-Butylbenzene	11.10	119	528907	49.65	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	541957	48.02	ug/l	99
85) sec-Butylbenzene	11.33	105	638262	47.86	ug/l	97
86) p-Isopropyltoluene	11.48	119	572066	47.90	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	290820	48.66	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	291307	48.43	ug/l	99
89) n-Butylbenzene	11.89	91	474427	44.74	ug/l	97
90) Hexachloroethane	12.15	117	103054	44.23	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	301649	50.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56163	47.54	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	199486	53.97	ug/l	100
94) Hexachlorobutadiene	13.70	225	102802	49.41	ug/l	99
95) Naphthalene	13.74	128	655094	53.48	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	210333	57.10	ug/l	98

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

