

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025160.D
 Acq On : 02 Jul 2018 22:32
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 7/3/2018 4:56:42 PM

Quant Time: Jul 03 06:42:48 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	164661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	248708	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	237604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144318	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	125277	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	4.89	113	104692	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	7.57	98	326557	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	
62) 4-Bromofluorobenzene	10.31	95	144022	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	86192	41.82	ug/l	98
3) Chloromethane	1.33	50	96424	45.79	ug/l	98
4) Vinyl Chloride	1.40	62	100916	46.47	ug/l	97
5) Bromomethane	1.61	94	57145	54.44	ug/l	98
6) Chloroethane	1.69	64	68131	56.28	ug/l	100
7) Trichlorofluoromethane	1.88	101	165428	49.92	ug/l	100
8) Diethyl Ether	2.10	74	64302	57.29	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.28	101	99855	48.57	ug/l	97
10) Methyl Iodide	2.41	142	115695	64.75	ug/l	97
11) Tert butyl alcohol	2.83	59	193702	296.28	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91982	49.06	ug/l	96
13) Acrolein	2.19	56	23784	69.28	ug/l	96
14) Allyl chloride	2.59	41	160814	46.19	ug/l	100
15) Acrylonitrile	2.93	53	359417	282.56	ug/l	100
16) Acetone	2.32	43	349593	242.05	ug/l	98
17) Carbon Disulfide	2.48	76	256566	42.74	ug/l	99
18) Methyl Acetate	2.62	43	225938	72.97	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	381090	54.07	ug/l	96
20) Methylene Chloride	2.70	84	114435	50.50	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	103591	50.16	ug/l	96
22) Diisopropyl ether	3.57	45	364379	52.80	ug/l	97
23) Vinyl Acetate	3.53	43	1560890	252.50	ug/l	99
24) 1,1-Dichloroethane	3.45	63	209418	52.75	ug/l	100
25) 2-Butanone	4.26	43	537715	277.16	ug/l	96
26) 2,2-Dichloropropane	4.23	77	144892	38.44	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	124879	52.60	ug/l	97
28) Bromochloromethane	4.55	49	82477	47.17	ug/l	84
29) Tetrahydrofuran	4.63	42	340028	283.02	ug/l	97
30) Chloroform	4.68	83	220441	54.86	ug/l	99
31) Cyclohexane	5.00	56	180830	51.35	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	200757	54.03	ug/l	96
36) 1,1-Dichloropropene	5.14	75	152768	52.27	ug/l	97
37) Ethyl Acetate	4.38	43	188351	59.13	ug/l	97
38) Carbon Tetrachloride	5.14	117	178229	55.46	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	184717	50.65	ug/l	95
40) Benzene	5.39	78	454909	54.63	ug/l	98
41) Methacrylonitrile	4.54	41	106532	62.03	ug/l	99
42) 1,2-Dichloroethane	5.41	62	189395	59.71	ug/l	100
43) Isopropyl Acetate	5.55	43	306957	55.75	ug/l	99
44) Trichloroethene	6.19	130	124625	52.58	ug/l	99
45) 1,2-Dichloropropane	6.44	63	123089	55.40	ug/l	96
46) Dibromomethane	6.56	93	89589	57.40	ug/l	95
47) Bromodichloromethane	6.76	83	172415	55.48	ug/l	97
48) Methyl methacrylate	6.62	41	159220	59.39	ug/l	97
49) 1,4-Dioxane	6.62	88	78713	1501.24	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1022747	295.67	ug/l	98
52) Toluene	7.64	92	294588	54.98	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	179745	51.50	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	190789	51.30	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	124056	56.96	ug/l	97
56) Ethyl methacrylate	8.02	69	198855	54.55	ug/l	99
57) 1,3-Dichloropropane	8.25	76	209844	57.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	358341	256.61	ug/l	95
59) 2-Hexanone	8.36	43	829178	293.61	ug/l	99
60) Dibromochloromethane	8.48	129	141000	51.92	ug/l	100
61) 1,2-Dibromoethane	8.59	107	136654	56.38	ug/l	98
64) Tetrachloroethene	8.23	164	119373	52.85	ug/l	97
65) Chlorobenzene	9.12	112	336344	55.41	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	128784	55.85	ug/l	97
67) Ethyl Benzene	9.25	91	588709	55.32	ug/l	100
68) m/p-Xylenes	9.38	106	456427	111.70	ug/l	98
69) o-Xylene	9.78	106	226506	56.01	ug/l	97
70) Styrene	9.80	104	365225	54.96	ug/l	99
71) Bromoform	9.96	173	113259	51.67	ug/l #	100
73) Isopropylbenzene	10.17	105	609565	55.01	ug/l	99
74) N-amyl acetate	10.01	43	275449	52.26	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	214706	57.83	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	181870m	57.24	ug/l	
77) Bromobenzene	10.45	156	157079	56.00	ug/l	95
78) n-propylbenzene	10.59	91	691262	52.96	ug/l	97
79) 2-Chlorotoluene	10.66	91	419439	54.49	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	531343	55.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	66843m	48.69	ug/l	
82) 4-Chlorotoluene	10.78	91	484850	54.12	ug/l	99
83) tert-Butylbenzene	11.10	119	524773	56.81	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	537503	54.92	ug/l	100
85) sec-Butylbenzene	11.33	105	627063	54.23	ug/l	98
86) p-Isopropyltoluene	11.48	119	556748	53.76	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	283831	54.77	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	282200	54.10	ug/l	100
89) n-Butylbenzene	11.89	91	440911	47.95	ug/l	96
90) Hexachloroethane	12.15	117	98898	48.95	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	294692	56.77	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58962	57.55	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	184547	57.57	ug/l	98
94) Hexachlorobutadiene	13.70	225	96785	53.64	ug/l	99
95) Naphthalene	13.74	128	623820	58.67	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	194649	60.94	ug/l	99

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

