

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024707.D
 Acq On : 18 Jun 2018 21:28
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:06 PM

Quant Time: Jun 19 07:32:59 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	157821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258039	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	248318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147262	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	124818	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	4.89	113	104356	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
50) Toluene-d8	7.57	98	387687	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	10.31	95	149116	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	80354	40.68	ug/l	100
3) Chloromethane	1.33	50	97331	48.23	ug/l	97
4) Vinyl Chloride	1.40	62	101482	48.76	ug/l	98
5) Bromomethane	1.62	94	52747	52.42	ug/l	97
6) Chloroethane	1.69	64	66761	57.56	ug/l	98
7) Trichlorofluoromethane	1.89	101	154880	48.76	ug/l	100
8) Diethyl Ether	2.10	74	59850	55.58	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	86893	44.10	ug/l	97
10) Methyl Iodide	2.41	142	76607	46.37	ug/l	99
11) Tert butyl alcohol	2.82	59	146291	233.46	ug/l	100
12) 1,1-Dichloroethene	2.28	96	85840	47.77	ug/l	89
13) Acrolein	2.19	56	43098	130.98	ug/l	97
14) Allyl chloride	2.59	41	132444	39.69	ug/l	96
15) Acrylonitrile	2.93	53	328988	269.85	ug/l	99
16) Acetone	2.32	43	280454	202.59	ug/l	97
17) Carbon Disulfide	2.48	76	241493	41.97	ug/l	99
18) Methyl Acetate	2.61	43	178334	60.09	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	331964	49.14	ug/l	98
20) Methylene Chloride	2.70	84	102994	47.42	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	91469	46.21	ug/l	97
22) Diisopropyl ether	3.57	45	333343	50.40	ug/l	99
23) Vinyl Acetate	3.53	43	1387818	234.23	ug/l	98
24) 1,1-Dichloroethane	3.45	63	185685	48.80	ug/l	98
25) 2-Butanone	4.26	43	467279	251.30	ug/l	97
26) 2,2-Dichloropropane	4.23	77	61130	16.92	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	111657	49.07	ug/l	91
28) Bromochloromethane	4.55	49	83344	49.73	ug/l	86
29) Tetrahydrofuran	4.63	42	301534	261.86	ug/l	97
30) Chloroform	4.68	83	190444	49.45	ug/l	100
31) Cyclohexane	5.00	56	166307	49.19	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	171460	48.14	ug/l	96
36) 1,1-Dichloropropene	5.14	75	133509	44.03	ug/l	98
37) Ethyl Acetate	4.38	43	176212	53.32	ug/l	98
38) Carbon Tetrachloride	5.14	117	155092	46.51	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	159064	42.04	ug/l	95
40) Benzene	5.39	78	414061	47.92	ug/l	98
41) Methacrylonitrile	4.54	41	94764	53.18	ug/l	97
42) 1,2-Dichloroethane	5.41	62	155368	47.21	ug/l	99
43) Isopropyl Acetate	5.55	43	281381	49.26	ug/l	98
44) Trichloroethene	6.19	130	113214	46.04	ug/l	93
45) 1,2-Dichloropropane	6.44	63	114664	49.74	ug/l	99
46) Dibromomethane	6.56	93	79618	49.17	ug/l	95
47) Bromodichloromethane	6.76	83	155607	48.26	ug/l	99
48) Methyl methacrylate	6.63	41	139215	50.05	ug/l	98
49) 1,4-Dioxane	6.61	88	60588	1113.77	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	934206	260.30	ug/l	99
52) Toluene	7.64	92	265588	47.78	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	155160	42.85	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	154793	40.12	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	112799	49.92	ug/l	99
56) Ethyl methacrylate	8.02	69	196114	51.86	ug/l	97
57) 1,3-Dichloropropane	8.25	76	190395	49.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	427228	294.87	ug/l	96
59) 2-Hexanone	8.36	43	750667	256.20	ug/l	99
60) Dibromochloromethane	8.48	129	134616	47.78	ug/l	99
61) 1,2-Dibromoethane	8.59	107	126906	50.46	ug/l	99
64) Tetrachloroethene	8.23	164	117002	49.57	ug/l	98
65) Chlorobenzene	9.12	112	305349	48.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	116646	48.40	ug/l	99
67) Ethyl Benzene	9.25	91	518075	46.59	ug/l	97
68) m/p-Xylenes	9.38	106	405799	95.03	ug/l	97
69) o-Xylene	9.78	106	204241	48.33	ug/l	95
70) Styrene	9.80	104	336524	48.45	ug/l	99
71) Bromoform	9.96	173	106595	46.53	ug/l #	100
73) Isopropylbenzene	10.17	105	544827	48.19	ug/l	99
74) N-amyl acetate	10.01	43	268975	50.02	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	194487	51.33	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	171327m	52.84	ug/l	
77) Bromobenzene	10.45	156	138641	48.44	ug/l	95
78) n-propylbenzene	10.59	91	613773	46.08	ug/l	98
79) 2-Chlorotoluene	10.66	91	369148	47.00	ug/l	96
80) 1,3,5-Trimethylbenzene	10.78	105	464206	47.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	50601m	36.12	ug/l	
82) 4-Chlorotoluene	10.78	91	425589	46.56	ug/l	99
83) tert-Butylbenzene	11.10	119	453163	48.07	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	478436	47.91	ug/l	99
85) sec-Butylbenzene	11.33	105	554562	47.00	ug/l	97
86) p-Isopropyltoluene	11.48	119	489031	46.28	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	251341	47.53	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	256763	48.24	ug/l	99
89) n-Butylbenzene	11.89	91	406314	43.31	ug/l	97
90) Hexachloroethane	12.15	117	89916	43.62	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	263821	49.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53622	51.29	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	175678	53.71	ug/l	99
94) Hexachlorobutadiene	13.70	225	79734	43.31	ug/l	98
95) Naphthalene	13.74	128	621147	57.26	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	186390	57.19	ug/l	99

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

