

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024555.D
 Acq On : 14 Jun 2018 21:08
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 6/15/2018 3:29:43 PM

Quant Time: Jun 15 05:10:31 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	171667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274170	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159189	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	130515	46.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.14%	
35) Dibromofluoromethane	4.89	113	112236	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
50) Toluene-d8	7.57	98	414104	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.31	95	164777	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	95042	44.232	ug/l	99
3) Chloromethane	1.33	50	100512	45.786	ug/l	100
4) Vinyl Chloride	1.40	62	113138	49.974	ug/l	96
5) Bromomethane	1.62	94	62664	57.258	ug/l	98
6) Chloroethane	1.70	64	66840	52.897	ug/l	97
7) Trichlorofluoromethane	1.89	101	168171	48.675	ug/l	100
8) Diethyl Ether	2.10	74	64060	54.659	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	95653	44.626	ug/l	98
10) Methyl Iodide	2.41	142	85596	47.484	ug/l	98
11) Tert butyl alcohol	2.82	59	138014	202.487	ug/l	99
12) 1,1-Dichloroethene	2.28	96	94099	48.140	ug/l	89
13) Acrolein	2.19	56	75044	209.666	ug/l	98
14) Allyl chloride	2.60	41	160293	44.166	ug/l	94
15) Acrylonitrile	2.94	53	334062	251.910	ug/l	98
16) Acetone	2.32	43	267526	177.666	ug/l	96
17) Carbon Disulfide	2.48	76	292437	46.723	ug/l	100
18) Methyl Acetate	2.62	43	156196	48.387	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	348172	47.386	ug/l	96
20) Methylene Chloride	2.70	84	109537	46.361	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	104668	48.618	ug/l	92
22) Diisopropyl ether	3.57	45	349947	48.640	ug/l	97
23) Vinyl Acetate	3.53	43	1585285	245.977	ug/l	98
24) 1,1-Dichloroethane	3.45	63	197152	47.635	ug/l	99
25) 2-Butanone	4.26	43	471925	233.326	ug/l	96
26) 2,2-Dichloropropane	4.23	77	149527	38.047	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	122498	49.492	ug/l	94
28) Bromochloromethane	4.55	49	93947	51.534	ug/l	90
29) Tetrahydrofuran	4.64	42	308737	246.490	ug/l	96
30) Chloroform	4.68	83	200224	47.795	ug/l	100
31) Cyclohexane	5.00	56	182065	49.517	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	179328	46.292	ug/l	96
36) 1,1-Dichloropropene	5.14	75	149904	46.529	ug/l	97
37) Ethyl Acetate	4.38	43	178798	50.919	ug/l #	96
38) Carbon Tetrachloride	5.14	117	163978	46.285	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182434	45.377	ug/l	96
40) Benzene	5.39	78	440754	48.012	ug/l	100
41) Methacrylonitrile	4.54	41	98969	52.275	ug/l	99
42) 1,2-Dichloroethane	5.41	62	159592	45.645	ug/l	97
43) Isopropyl Acetate	5.55	43	289974	47.774	ug/l	97
44) Trichloroethene	6.19	130	122434	46.862	ug/l	95
45) 1,2-Dichloropropane	6.44	63	119544	48.804	ug/l	95
46) Dibromomethane	6.56	93	83692	48.643	ug/l	94
47) Bromodichloromethane	6.76	83	160872	46.955	ug/l	99
48) Methyl methacrylate	6.63	41	140517	47.543	ug/l	97
49) 1,4-Dioxane	6.61	88	48853	845.210	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	939427	246.357	ug/l	98
52) Toluene	7.64	92	285214	48.291	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	182452	47.421	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	189206	46.151	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	116189	48.396	ug/l	99
56) Ethyl methacrylate	8.02	69	194750	48.466	ug/l	99
57) 1,3-Dichloropropane	8.25	76	197719	48.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	389699	253.145	ug/l	97
59) 2-Hexanone	8.36	43	745067	239.327	ug/l	99
60) Dibromochloromethane	8.48	129	139305	46.531	ug/l	98
61) 1,2-Dibromoethane	8.59	107	130388	48.795	ug/l	100
64) Tetrachloroethene	8.23	164	110164	44.036	ug/l	99
65) Chlorobenzene	9.12	112	324554	48.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	121305	47.490	ug/l	99
67) Ethyl Benzene	9.25	91	558577	47.391	ug/l	99
68) m/p-Xylenes	9.38	106	432901	95.647	ug/l	97
69) o-Xylene	9.78	106	210864	47.076	ug/l	97
70) Styrene	9.80	104	356450	48.425	ug/l	99
71) Bromoform	9.96	173	115036	47.381	ug/l #	99
73) Isopropylbenzene	10.17	105	562087	45.990	ug/l	98
74) N-amyl acetate	10.01	43	281575	48.436	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	198500	48.467	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	171813m	49.023	ug/l	
77) Bromobenzene	10.45	156	146626	47.388	ug/l	96
78) n-propylbenzene	10.59	91	672544	46.713	ug/l	97
79) 2-Chlorotoluene	10.66	91	392168	46.190	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	487039	45.976	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	65220m	43.069	ug/l	
82) 4-Chlorotoluene	10.78	91	462134	46.766	ug/l	98
83) tert-Butylbenzene	11.10	119	478460	46.954	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	496970	46.035	ug/l	99
85) sec-Butylbenzene	11.33	105	592095	46.420	ug/l	98
86) p-Isopropyltoluene	11.48	119	529195	46.325	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	272110	47.601	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	272471	47.357	ug/l	99
89) n-Butylbenzene	11.89	91	483566	47.679	ug/l	97
90) Hexachloroethane	12.15	117	100962	45.305	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	270927	47.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51521	45.590	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	191388	54.129	ug/l	100
94) Hexachlorobutadiene	13.70	225	90933	45.692	ug/l	99
95) Naphthalene	13.74	128	603978	51.577	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	194861	55.308	ug/l	99

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

