

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024861.D
 Acq On : 23 Jun 2018 03:06
 Operator : MD/SY
 Sample : J3592-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Manual Integrations
 APPROVED

apatel
 6/26/2018 11:59:50 AM

Quant Time: Jun 23 04:56:24 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	175156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267126	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155489	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	124801	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
35) Dibromofluoromethane	4.89	113	100298	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
50) Toluene-d8	7.57	98	347643	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	
62) 4-Bromofluorobenzene	10.31	95	137615	42.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	93993	42.87	ug/l	98
3) Chloromethane	1.33	50	94223	42.07	ug/l	98
4) Vinyl Chloride	1.40	62	328660	142.28	ug/l	99
5) Bromomethane	1.62	94	57664	51.64	ug/l	98
6) Chloroethane	1.70	64	68800	53.37	ug/l	98
7) Trichlorofluoromethane	1.89	101	168876	47.91	ug/l	99
8) Diethyl Ether	2.10	74	63061	52.67	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	94718	43.31	ug/l	97
10) Methyl Iodide	2.41	142	102164	54.65	ug/l	99
11) Tert butyl alcohol	2.83	59	169383	243.56	ug/l	99
12) 1,1-Dichloroethene	2.29	96	88545	44.40	ug/l	94
13) Acrolein	2.20	56	47099	128.97	ug/l	99
14) Allyl chloride	2.60	41	164594	44.45	ug/l	# 83
15) Acrylonitrile	2.94	53	317407	234.58	ug/l	99
16) Acetone	2.32	43	305523	198.86	ug/l	100
17) Carbon Disulfide	2.48	76	251723	39.42	ug/l	99
18) Methyl Acetate	2.62	43	166216	50.46	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	350812	46.79	ug/l	98
20) Methylene Chloride	2.71	84	102460	42.50	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	115716	52.68	ug/l	97
22) Diisopropyl ether	3.57	45	343834	46.84	ug/l	94
23) Vinyl Acetate	3.53	43	1430079	217.47	ug/l	98
24) 1,1-Dichloroethane	3.45	63	195418	46.28	ug/l	100
25) 2-Butanone	4.26	43	482333	233.72	ug/l	97
26) 2,2-Dichloropropane	4.23	77	152565	38.05	ug/l	84
27) cis-1,2-Dichloroethene	4.23	96	469836	186.05	ug/l	90
28) Bromochloromethane	4.55	49	86430	46.47	ug/l	90
29) Tetrahydrofuran	4.64	42	306070	239.49	ug/l	97
30) Chloroform	4.68	83	208071	48.68	ug/l	100
31) Cyclohexane	5.00	56	173052	45.99	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	187138	47.35	ug/l	96
36) 1,1-Dichloropropene	5.14	75	143313	45.66	ug/l	97
37) Ethyl Acetate	4.38	43	165158	48.27	ug/l	98
38) Carbon Tetrachloride	5.14	117	170276	49.33	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	176581	45.08	ug/l	96
40) Benzene	5.39	78	427793	47.83	ug/l	99
41) Methacrylonitrile	4.54	41	95842	51.96	ug/l	98
42) 1,2-Dichloroethane	5.41	62	175531	51.53	ug/l	99
43) Isopropyl Acetate	5.55	43	276124	46.69	ug/l	99
44) Trichloroethene	6.19	130	166098	65.25	ug/l	95
45) 1,2-Dichloropropane	6.44	63	117677	49.31	ug/l	100
46) Dibromomethane	6.56	93	84687	50.52	ug/l	96
47) Bromodichloromethane	6.76	83	162483	48.68	ug/l	99
48) Methyl methacrylate	6.63	41	141624	49.18	ug/l	98
49) 1,4-Dioxane	6.63	88	76130	1351.86	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	953713	256.70	ug/l	99
52) Toluene	7.64	92	274202	47.65	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	171195	45.67	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	177819	44.52	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	116631	49.86	ug/l	98
56) Ethyl methacrylate	8.02	69	189151	48.31	ug/l	98
57) 1,3-Dichloropropane	8.25	76	197641	50.09	ug/l	98
59) 2-Hexanone	8.36	43	768039	253.21	ug/l	100
60) Dibromochloromethane	8.48	129	136680	46.86	ug/l	100
61) 1,2-Dibromoethane	8.59	107	129053	49.57	ug/l	98
64) Tetrachloroethene	8.23	164	102596	42.12	ug/l	98
65) Chlorobenzene	9.12	112	319539	48.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	121945	49.03	ug/l	99
67) Ethyl Benzene	9.25	91	548941	47.83	ug/l	98
68) m/p-Xylenes	9.38	106	424368	96.30	ug/l	97
69) o-Xylene	9.78	106	211352	48.46	ug/l	97
70) Styrene	9.80	104	343849	47.98	ug/l	98
71) Bromoform	9.96	173	108131	45.74	ug/l #	100
73) Isopropylbenzene	10.17	105	578798	48.48	ug/l	99
74) N-amyl acetate	10.01	43	257257	45.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	200428	50.10	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	186767m	54.56	ug/l	
77) Bromobenzene	10.45	156	146134	48.35	ug/l	95
78) n-propylbenzene	10.59	91	658272	46.81	ug/l	97
79) 2-Chlorotoluene	10.66	91	392276	47.30	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	492641	47.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	58945m	39.85	ug/l	
82) 4-Chlorotoluene	10.78	91	456277	47.27	ug/l	100
83) tert-Butylbenzene	11.10	119	501013	50.34	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	508991	48.27	ug/l	99
85) sec-Butylbenzene	11.33	105	605218	48.58	ug/l	97
86) p-Isopropyltoluene	11.48	119	532755	47.75	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	267904	47.98	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	267425	47.59	ug/l	100
89) n-Butylbenzene	11.89	91	451652	45.59	ug/l	96
90) Hexachloroethane	12.15	117	97300	44.70	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	279517	49.98	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	55458	50.24	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	190275	55.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	96721	49.76	ug/l	99
95) Naphthalene	13.74	128	653430	57.06	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	202834	58.94	ug/l	99

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

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