

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027090.D
 Acq On : 23 Sep 2018 22:15
 Operator : MD/SY
 Sample : J4954-12MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 134 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW204-20180914MSD

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:39 PM

Quant Time: Sep 24 09:05:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	74792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	133940	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84044	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
35) Dibromofluoromethane	4.88	113	58610	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	7.57	98	224908	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	10.31	95	79731	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	48641	49.811	ug/l	98
3) Chloromethane	1.33	50	85888	51.014	ug/l	99
4) Vinyl Chloride	1.40	62	81868	52.093	ug/l	98
5) Bromomethane	1.62	94	40957	45.765	ug/l	96
6) Chloroethane	1.70	64	52045	51.831	ug/l	99
7) Trichlorofluoromethane	1.89	101	92954	52.077	ug/l	99
8) Diethyl Ether	2.11	74	47790	55.625	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53548	48.791	ug/l	99
10) Methyl Iodide	2.41	142	56946	41.836	ug/l	100
11) Tert butyl alcohol	2.82	59	92026	266.720	ug/l	100
12) 1,1-Dichloroethene	2.29	96	53082	51.387	ug/l	98
13) Acrolein	2.20	56	44500	239.256	ug/l	99
14) Allyl chloride	2.59	41	115382	55.071	ug/l	95
15) Acrylonitrile	2.94	53	256748	295.247	ug/l	99
16) Acetone	2.32	43	231238	291.975	ug/l	99
17) Carbon Disulfide	2.48	76	167442	49.758	ug/l	99
18) Methyl Acetate	2.62	43	94715	44.207	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	225058	59.288	ug/l	99
20) Methylene Chloride	2.70	84	69606	51.632	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	59245	53.718	ug/l	100
22) Diisopropyl ether	3.57	45	275252	61.422	ug/l	96
23) Vinyl Acetate	3.53	43	817925	214.117	ug/l	99
24) 1,1-Dichloroethane	3.45	63	140590	56.962	ug/l	99
25) 2-Butanone	4.26	43	365204	288.688	ug/l	99
26) 2,2-Dichloropropane	4.23	77	57419	29.830	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	68588	55.068	ug/l	98
28) Bromochloromethane	4.55	49	75056	63.085	ug/l	94
29) Tetrahydrofuran	4.64	42	240459	314.215	ug/l	96
30) Chloroform	4.68	83	124900	54.517	ug/l	99
31) Cyclohexane	5.00	56	124639	55.618	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	102218	55.881	ug/l	99
36) 1,1-Dichloropropene	5.14	75	91731	51.316	ug/l	98
37) Ethyl Acetate	4.38	43	99741	41.217	ug/l	99
38) Carbon Tetrachloride	5.14	117	84051	49.409	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	98288	50.596	ug/l	98
40) Benzene	5.39	78	278999	51.341	ug/l	99
41) Methacrylonitrile	4.54	41	75737	60.263	ug/l	97
42) 1,2-Dichloroethane	5.40	62	110583	53.861	ug/l	100
43) Isopropyl Acetate	5.55	43	176057	49.887	ug/l	97
44) Trichloroethene	6.19	130	58443	50.517	ug/l	99
45) 1,2-Dichloropropane	6.43	63	83454	53.897	ug/l	99
46) Dibromomethane	6.56	93	47988	51.316	ug/l	99
47) Bromodichloromethane	6.76	83	100030	52.900	ug/l	98
48) Methyl methacrylate	6.62	41	104068	54.094	ug/l	98
49) 1,4-Dioxane	6.61	88	33816	886.264	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	709456	298.899	ug/l	99
52) Toluene	7.64	92	167665	53.827	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	106025	52.187	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	109170	48.871	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	70294	53.259	ug/l	99
56) Ethyl methacrylate	8.02	69	117453	51.231	ug/l	97
57) 1,3-Dichloropropane	8.24	76	133800	54.505	ug/l	99
59) 2-Hexanone	8.36	43	539151	290.182	ug/l	99
60) Dibromochloromethane	8.48	129	69275	53.509	ug/l	100
61) 1,2-Dibromoethane	8.59	107	71694	52.207	ug/l	100
64) Tetrachloroethene	8.23	164	46919	45.630	ug/l	96
65) Chlorobenzene	9.12	112	170449	48.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	62599	51.367	ug/l	98
67) Ethyl Benzene	9.25	91	311879	53.605	ug/l	99
68) m/p-Xylenes	9.38	106	229552	97.461	ug/l	98
69) o-Xylene	9.78	106	111486	54.082	ug/l	98
70) Styrene	9.79	104	177036	46.140	ug/l	99
71) Bromoform	9.96	173	49952	53.005	ug/l #	100
73) Isopropylbenzene	10.17	105	302233	55.945	ug/l	100
74) N-amyl acetate	10.01	43	131602	42.084	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	125055	50.347	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	112490m	52.138	ug/l	
77) Bromobenzene	10.45	156	68246	51.695	ug/l	95
78) n-propylbenzene	10.59	91	360337	56.371	ug/l	99
79) 2-Chlorotoluene	10.66	91	215959	53.786	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	247095	55.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	28729m	42.612	ug/l	
82) 4-Chlorotoluene	10.77	91	246449	54.741	ug/l	98
83) tert-Butylbenzene	11.10	119	241446	54.763	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	255118	56.213	ug/l	99
85) sec-Butylbenzene	11.32	105	297697	55.314	ug/l	99
86) p-Isopropyltoluene	11.48	119	249341	49.385	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	122503	49.866	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	124418	46.468	ug/l	99
89) n-Butylbenzene	11.89	91	226043	46.357	ug/l	99
90) Hexachloroethane	12.14	117	50082	51.172	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	125497	48.091	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28325	55.899	ug/l	95
93) 1,2,4-Trichlorobenzene	13.50	180	79809	53.071	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	36375	45.715	ug/l	98
95) Naphthalene	13.74	128	303510	51.565	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	86277	53.499	ug/l	99

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

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