

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027213.D
 Acq On : 27 Sep 2018 05:50
 Operator : MD/SY
 Sample : J5048-11MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CMT-22-6-SEP18MSD

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:26 PM

Quant Time: Sep 27 08:21:33 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	4.98	168	78201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	137207	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	132403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71600	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	83523	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
35) Dibromofluoromethane	4.88	113	60017	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	7.57	98	220549	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	10.31	95	81463	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	41504	40.650	ug/l	98
3) Chloromethane	1.33	50	69363	39.403	ug/l	100
4) Vinyl Chloride	1.40	62	72240	43.963	ug/l	98
5) Bromomethane	1.62	94	14992	16.022	ug/l	94
6) Chloroethane	1.69	64	49389	47.041	ug/l	100
7) Trichlorofluoromethane	1.88	101	82639	44.280	ug/l	99
8) Diethyl Ether	2.10	74	44656	49.712	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	49323	42.982	ug/l	100
10) Methyl Iodide	2.41	142	13293	9.340	ug/l	100
11) Tert butyl alcohol	2.83	59	103355	286.497	ug/l	98
12) 1,1-Dichloroethene	2.28	96	48030	44.469	ug/l	96
13) Acrolein	2.19	56	34031	174.993	ug/l	99
14) Allyl chloride	2.59	41	111161	50.744	ug/l	97
15) Acrylonitrile	2.94	53	257414	283.109	ug/l	99
16) Acetone	2.32	43	228713	275.237	ug/l	99
17) Carbon Disulfide	2.48	76	147788	42.003	ug/l	100
18) Methyl Acetate	2.61	43	116540	52.022	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	227981	57.440	ug/l	100
20) Methylene Chloride	2.70	84	68146	48.345	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	55740	48.337	ug/l	98
22) Diisopropyl ether	3.57	45	270077	57.640	ug/l	97
23) Vinyl Acetate	3.52	43	985395	246.713	ug/l	99
24) 1,1-Dichloroethane	3.45	63	134830	52.247	ug/l	100
25) 2-Butanone	4.26	43	362317	273.921	ug/l	99
26) 2,2-Dichloropropane	4.23	77	54831	27.244	ug/l	95
27) cis-1,2-Dichloroethene	4.22	96	75316	57.833	ug/l	96
28) Bromochloromethane	4.55	49	72322	58.137	ug/l	98
29) Tetrahydrofuran	4.64	42	235774	294.663	ug/l	97
30) Chloroform	4.67	83	123039	51.364	ug/l	99
31) Cyclohexane	5.00	56	107853	45.929	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	98266	51.379	ug/l	98
36) 1,1-Dichloropropene	5.14	75	84683	46.245	ug/l	99
37) Ethyl Acetate	4.38	43	112564	45.408	ug/l	100
38) Carbon Tetrachloride	5.13	117	80345	46.106	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	89311	44.880	ug/l	98
40) Benzene	5.39	78	266495	47.873	ug/l	99
41) Methacrylonitrile	4.54	41	75769	58.853	ug/l	98
42) 1,2-Dichloroethane	5.40	62	105619	50.218	ug/l	100
43) Isopropyl Acetate	5.55	43	189451	52.404	ug/l	100
44) Trichloroethene	6.19	130	61788	52.137	ug/l	100
45) 1,2-Dichloropropane	6.43	63	82490	52.006	ug/l	98
46) Dibromomethane	6.56	93	47841	49.940	ug/l	99
47) Bromodichloromethane	6.76	83	96983	50.068	ug/l	100
48) Methyl methacrylate	6.62	41	103804	52.699	ug/l	98
49) 1,4-Dioxane	6.61	88	37310	954.686	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	700945	288.281	ug/l	100
52) Toluene	7.64	92	158708	49.738	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	104684	50.300	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	108682	47.494	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	69861	51.670	ug/l	99
56) Ethyl methacrylate	8.02	69	120062	51.127	ug/l	97
57) 1,3-Dichloropropane	8.24	76	132242	52.588	ug/l	100
59) 2-Hexanone	8.36	43	540183	283.814	ug/l	100
60) Dibromochloromethane	8.48	129	70620	53.249	ug/l	98
61) 1,2-Dibromoethane	8.59	107	72074	51.234	ug/l	100
64) Tetrachloroethene	8.23	164	45253	44.354	ug/l	98
65) Chlorobenzene	9.12	112	166979	47.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63514	52.526	ug/l	97
67) Ethyl Benzene	9.25	91	296945	51.438	ug/l	99
68) m/p-Xylenes	9.38	106	220119	94.238	ug/l	100
69) o-Xylene	9.78	106	107872	52.738	ug/l	98
70) Stvrene	9.79	104	178497	46.856	ug/l	99
71) Bromoform	9.96	173	52372	56.008	ug/l #	98
73) Isopropylbenzene	10.17	105	289898	53.226	ug/l	100
74) N-amyl acetate	10.02	43	159723	50.662	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	125004	49.918	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	104898m	48.225	ug/l	
77) Bromobenzene	10.45	156	67576	50.772	ug/l	97
78) n-propylbenzene	10.59	91	342190	53.098	ug/l	100
79) 2-Chlorotoluene	10.66	91	206865	51.103	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	239671	53.308	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	33601m	49.434	ug/l	
82) 4-Chlorotoluene	10.77	91	237850	52.402	ug/l	100
83) tert-Butylbenzene	11.10	119	236634	53.236	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	245346	53.621	ug/l	99
85) sec-Butylbenzene	11.32	105	290358	53.512	ug/l	100
86) p-Isopropyltoluene	11.48	119	245804	48.310	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	124359	50.210	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	125152	46.363	ug/l	100
89) n-Butylbenzene	11.89	91	222173	45.254	ug/l	100
90) Hexachloroethane	12.15	117	45844	46.462	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	127417	48.430	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28327	55.450	ug/l	99
93) 1,2,4-Trichlorobenzene	13.50	180	82645	54.511	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	36786	45.856	ug/l	100
95) Naphthalene	13.74	128	301212	50.786	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	86029	52.913	ug/l	100

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

