

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027083.D
 Acq On : 23 Sep 2018 19:33
 Operator : MD/SY
 Sample : J4958-21MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 127 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:38 PM

Quant Time: Sep 24 08:57:47 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	77533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136478	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	85402	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	4.88	113	59308	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	7.57	98	230297	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	10.31	95	80204	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	48218	47.632	ug/l	97
3) Chloromethane	1.33	50	84037	48.150	ug/l	99
4) Vinyl Chloride	1.40	62	81186	49.833	ug/l	100
5) Bromomethane	1.62	94	41767	45.020	ug/l	98
6) Chloroethane	1.69	64	54250	52.117	ug/l	98
7) Trichlorofluoromethane	1.89	101	92987	50.254	ug/l	97
8) Diethyl Ether	2.10	74	46317	52.005	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	52865	46.466	ug/l	99
10) Methyl Iodide	2.41	142	53722	38.073	ug/l	100
11) Tert butyl alcohol	2.82	59	101084	282.616	ug/l	100
12) 1,1-Dichloroethene	2.28	96	53756	50.199	ug/l	97
13) Acrolein	2.20	56	47395	245.812	ug/l	99
14) Allyl chloride	2.59	41	114911	52.907	ug/l	97
15) Acrylonitrile	2.94	53	252388	279.973	ug/l	100
16) Acetone	2.32	43	226715	275.180	ug/l	99
17) Carbon Disulfide	2.48	76	169287	48.528	ug/l	99
18) Methyl Acetate	2.61	43	106512	47.955	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	221156	56.201	ug/l	99
20) Methylene Chloride	2.70	84	68995	49.369	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	59338	51.900	ug/l	99
22) Diisopropyl ether	3.57	45	271464	58.435	ug/l	98
23) Vinyl Acetate	3.53	43	954392	241.009	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138931	54.300	ug/l	99
25) 2-Butanone	4.26	43	360604	274.975	ug/l	99
26) 2,2-Dichloropropane	4.23	77	64021	32.084	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	68112	52.752	ug/l	100
28) Bromochloromethane	4.55	49	76068	61.675	ug/l	93
29) Tetrahydrofuran	4.64	42	234300	295.343	ug/l	97
30) Chloroform	4.67	83	123850	52.148	ug/l	98
31) Cyclohexane	5.00	56	118953	51.158	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	101313	53.428	ug/l	99
36) 1,1-Dichloropropene	5.14	75	91543	50.258	ug/l	98
37) Ethyl Acetate	4.38	43	113029	45.839	ug/l	99
38) Carbon Tetrachloride	5.14	117	86046	49.641	ug/l	97

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Quant Time: Sep 24 08:57:47 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	93414	47.193	ug/l	96
40) Benzene	5.39	78	278607	50.316	ug/l	100
41) Methacrylonitrile	4.54	41	74350	58.059	ug/l	98
42) 1,2-Dichloroethane	5.40	62	109147	52.173	ug/l	99
43) Isopropyl Acetate	5.55	43	181550	50.486	ug/l	99
44) Trichloroethene	6.19	130	58760	49.847	ug/l	97
45) 1,2-Dichloropropane	6.43	63	81177	51.452	ug/l	99
46) Dibromomethane	6.56	93	48707	51.116	ug/l	98
47) Bromodichloromethane	6.76	83	97741	50.728	ug/l	100
48) Methyl methacrylate	6.62	41	104401	53.273	ug/l	98
49) 1,4-Dioxane	6.61	88	38190	982.474	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	689170	284.953	ug/l	99
52) Toluene	7.64	92	168936	53.226	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	105222	50.829	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	109981	48.318	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	69783	51.888	ug/l	99
56) Ethyl methacrylate	8.02	69	117355	50.279	ug/l	97
57) 1,3-Dichloropropane	8.24	76	132773	53.081	ug/l	100
59) 2-Hexanone	8.36	43	530031	279.968	ug/l	99
60) Dibromochloromethane	8.48	129	68700	52.078	ug/l	99
61) 1,2-Dibromoethane	8.59	107	71107	50.816	ug/l	100
64) Tetrachloroethene	8.23	164	46795	45.319	ug/l	98
65) Chlorobenzene	9.12	112	171032	48.137	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62532	51.097	ug/l	99
67) Ethyl Benzene	9.25	91	309600	52.990	ug/l	100
68) m/p-Xylenes	9.38	106	230944	97.639	ug/l	98
69) o-Xylene	9.78	106	112308	54.252	ug/l	98
70) Styrene	9.79	104	185996	48.188	ug/l	100
71) Bromoform	9.96	173	49655	52.469	ug/l #	99
73) Isopropylbenzene	10.17	105	299738	54.988	ug/l	99
74) N-amyl acetate	10.01	43	151011	47.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	122354	48.820	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	104945m	48.207	ug/l	
77) Bromobenzene	10.45	156	69014	51.810	ug/l	95
78) n-propylbenzene	10.59	91	362141	56.147	ug/l	99
79) 2-Chlorotoluene	10.66	91	215735	53.251	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	251462	55.884	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	36521m	53.686	ug/l	
82) 4-Chlorotoluene	10.77	91	246032	54.160	ug/l	99
83) tert-Butylbenzene	11.10	119	240889	54.149	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	255944	55.892	ug/l	99
85) sec-Butylbenzene	11.32	105	297592	54.800	ug/l	99
86) p-Isopropyltoluene	11.48	119	248855	48.859	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	124280	50.137	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	125957	46.623	ug/l	100
89) n-Butylbenzene	11.89	91	226755	46.102	ug/l	99
90) Hexachloroethane	12.15	117	48172	48.781	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	127048	48.250	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27973	54.712	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	79408	52.333	ug/l	99

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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)
94) Hexachlorobutadiene	13.69	225	36332	45.253	ug/l	99
95) Naphthalene	13.74	128	301039	50.718	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	84929	52.193	ug/l	98

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

