

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\U100418\
 Data File : VU027437.D
 Acq On : 05 Oct 2018 02:36
 Operator : MD/SY
 Sample : J5165-11MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Manual Integrations
 APPROVED

sam
 10/9/2018 6:05:15 PM

Quant Time: Oct 09 17:52:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	126515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	223131	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	205152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	104848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	99034	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
35) Dibromofluoromethane	4.88	113	73076	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	7.57	98	280210	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	10.31	95	106565	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	86605	47.481	ug/l 98
3) Chloromethane	1.33	50	106366	43.073	ug/l 99
4) Vinyl Chloride	1.40	62	108441	46.715	ug/l 97
5) Bromomethane	1.62	94	62738	62.461	ug/l 100
6) Chloroethane	1.70	64	66719	47.831	ug/l 99
7) Trichlorofluoromethane	1.89	101	114960	48.809	ug/l 99
8) Diethyl Ether	2.11	74	50198	46.267	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	63645	46.530	ug/l 98
10) Methyl Iodide	2.41	142	56254	47.498	ug/l 99
11) Tert butyl alcohol	2.83	59	99350	223.321	ug/l 99
12) 1,1-Dichloroethene	2.28	96	61507	46.025	ug/l 96
13) Acrolein	2.20	56	21102	56.529	ug/l 98
14) Allyl chloride	2.59	41	131604	41.471	ug/l 97
15) Acrylonitrile	2.94	53	272066	234.967	ug/l 99
16) Acetone	2.32	43	301101	241.261	ug/l 99
17) Carbon Disulfide	2.48	76	202130	41.938	ug/l 99
18) Methyl Acetate	2.62	43	156660	55.025	ug/l 99
19) Methyl tert-butyl Ether	3.00	73	253465	47.336	ug/l 98
20) Methylene Chloride	2.70	84	75443	43.397	ug/l 97
21) trans-1,2-Dichloroethene	2.98	96	67938	45.281	ug/l 99
22) Diisopropyl ether	3.58	45	304695	47.239	ug/l 99
23) Vinyl Acetate	3.53	43	963290	171.012	ug/l 100
24) 1,1-Dichloroethane	3.45	63	154542	46.607	ug/l 99
25) 2-Butanone	4.26	43	422820	248.442	ug/l 97
26) 2,2-Dichloropropane	4.23	77	97047	35.619	ug/l 97
27) cis-1,2-Dichloroethene	4.23	96	85067	49.579	ug/l 94
28) Bromochloromethane	4.55	49	83149	51.976	ug/l 97
29) Tetrahydrofuran	4.64	42	268706	250.530	ug/l 98
30) Chloroform	4.67	83	146491	49.725	ug/l 100
31) Cyclohexane	5.00	56	149614	44.129	ug/l 99
32) 1,1,1-Trichloroethane	4.92	97	121344	48.906	ug/l 98
36) 1,1-Dichloropropene	5.14	75	114495	47.259	ug/l 99
37) Ethyl Acetate	4.38	43	149570	47.769	ug/l 100
38) Carbon Tetrachloride	5.14	117	100683	46.006	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	127601	45.056	ug/l	98
40) Benzene	5.39	78	335747	47.576	ug/l	100
41) Methacrylonitrile	4.54	41	85146	48.112	ug/l	98
42) 1,2-Dichloroethane	5.41	62	122337	46.702	ug/l	99
43) Isopropyl Acetate	5.55	43	236540	48.641	ug/l	99
44) Trichloroethene	6.19	130	76574	48.662	ug/l	99
45) 1,2-Dichloropropane	6.43	63	95636	46.984	ug/l	99
46) Dibromomethane	6.56	93	56436	49.091	ug/l	97
47) Bromodichloromethane	6.76	83	112370	47.107	ug/l	98
48) Methyl methacrylate	6.62	41	119182	49.284	ug/l	98
49) 1,4-Dioxane	6.61	88	37923	911.430	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	773610	244.814	ug/l	98
52) Toluene	7.64	92	200382	47.973	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	129745	46.389	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	131444	43.717	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	83372	50.342	ug/l	99
56) Ethyl methacrylate	8.02	69	142878	45.276	ug/l	97
57) 1,3-Dichloropropane	8.24	76	153093	47.619	ug/l	100
59) 2-Hexanone	8.36	43	601349	245.321	ug/l	99
60) Dibromochloromethane	8.48	129	81988	49.361	ug/l	99
61) 1,2-Dibromoethane	8.59	107	85783	48.717	ug/l	99
64) Tetrachloroethene	8.23	164	62130	48.649	ug/l	97
65) Chlorobenzene	9.12	112	212883	49.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	75255	50.481	ug/l	98
67) Ethyl Benzene	9.25	91	374616	48.964	ug/l	99
68) m/p-Xylenes	9.38	106	277263	99.074	ug/l	98
69) o-Xylene	9.78	106	146000	54.899	ug/l	99
70) Styrene	9.79	104	225466	45.568	ug/l	99
71) Bromoform	9.96	173	60758	50.657	ug/l #	99
73) Isopropylbenzene	10.17	105	440581	57.857	ug/l	100
74) N-amyl acetate	10.02	43	202228	46.389	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	10.46	83	148354	49.616	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	128380m	47.235	ug/l	
77) Bromobenzene	10.45	156	86487	48.870	ug/l	96
78) n-propylbenzene	10.59	91	473889	51.789	ug/l	99
79) 2-Chlorotoluene	10.66	91	250296	45.304	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	545289	87.954	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	37765m	36.364	ug/l	
82) 4-Chlorotoluene	10.77	91	330718	52.749	ug/l	97
83) tert-Butylbenzene	11.10	119	358105	59.749	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	3665037	578.722	ug/l	99
85) sec-Butylbenzene	11.32	105	377978	50.052	ug/l	97
86) p-Isopropyltoluene	11.48	119	588297	90.986	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	161167	48.094	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	164761	48.114	ug/l	99
89) n-Butylbenzene	11.89	91	329629	48.118	ug/l #	70
90) Hexachloroethane	12.15	117	86492	70.968	ug/l	69
91) 1,2-Dichlorobenzene	11.88	146	156775m	48.062	ug/l	
92) 1,2-Dibromo-3-Chloropropan	12.66	75	34333	51.810	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	121506	57.568	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	51495	48.289	ug/l	100
95) Naphthalene	13.74	128	162003	21.419	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	121203	55.119	ug/l	98

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

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