

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028807.D
 Acq On : 19 Dec 2018 20:34
 Operator : MD/SY
 Sample : J6474-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:46 AM

Quant Time: Dec 20 06:46:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	106690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181283	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84181	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	72053	44.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.50%	
35) Dibromofluoromethane	4.88	113	61802	54.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.34%	
50) Toluene-d8	7.56	98	234400	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	10.30	95	84855	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	65469	45.782	ug/l	100
3) Chloromethane	1.33	50	107066	40.724	ug/l	100
4) Vinyl Chloride	1.40	62	300258	158.253	ug/l	100
5) Bromomethane	1.61	94	42778	55.971	ug/l	99
6) Chloroethane	1.69	64	51986	48.399	ug/l	97
7) Trichlorofluoromethane	1.88	101	93727	46.953	ug/l	100
8) Diethyl Ether	2.10	74	45749	48.985	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58286	48.821	ug/l	96
10) Methyl Iodide	2.41	142	65654	70.086	ug/l	95
11) Tert butyl alcohol	2.83	59	82801	228.261	ug/l	98
12) 1,1-Dichloroethene	2.28	96	63021	53.054	ug/l	88
13) Acrolein	2.19	56	64550	223.218	ug/l	98
14) Allyl chloride	2.59	41	109274	38.886	ug/l #	96
15) Acrylonitrile	2.93	53	243525	241.808	ug/l	98
16) Acetone	2.32	43	177861	167.407	ug/l	93
17) Carbon Disulfide	2.48	76	202668	47.360	ug/l	100
18) Methyl Acetate	2.61	43	125179	45.451	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	214466	47.626	ug/l	99
20) Methylene Chloride	2.70	84	75363	48.118	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	122638	91.696	ug/l	90
22) Diisopropyl ether	3.57	45	240219	43.958	ug/l	97
23) Vinyl Acetate	3.52	43	937029	207.881	ug/l	96
24) 1,1-Dichloroethane	3.44	63	135484	47.363	ug/l	99
25) 2-Butanone	4.26	43	301344	207.546	ug/l	93
26) 2,2-Dichloropropane	4.22	77	95086	41.951	ug/l #	27
27) cis-1,2-Dichloroethene	4.22	96	938596	620.033	ug/l	81
28) Bromochloromethane	4.55	49	57512	44.226	ug/l	87
29) Tetrahydrofuran	4.64	42	208212	223.285	ug/l	91
30) Chloroform	4.67	83	122775	49.245	ug/l	97
31) Cyclohexane	4.99	56	125448	44.816	ug/l	93
32) 1,1,1-Trichloroethane	4.91	97	97809	47.236	ug/l	97
36) 1,1-Dichloropropene	5.13	75	96918	48.856	ug/l	97
37) Ethyl Acetate	4.38	43	111424	43.450	ug/l #	78
38) Carbon Tetrachloride	5.13	117	78138	48.870	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	112609	46.530	ug/l	93
40) Benzene	5.39	78	304186	52.063	ug/l	98
41) Methacrylonitrile	4.54	41	64353	45.823	ug/l	94
42) 1,2-Dichloroethane	5.40	62	96012	46.947	ug/l	97
43) Isopropyl Acetate	5.55	43	177021	43.643	ug/l #	95
44) Trichloroethene	6.19	130	1478976	1138.469	ug/l	90
45) 1,2-Dichloropropane	6.43	63	84017	51.137	ug/l	100
46) Dibromomethane	6.56	93	50583	51.889	ug/l	94
47) Bromodichloromethane	6.76	83	94481	49.806	ug/l	99
48) Methyl methacrylate	6.62	41	90427	44.830	ug/l	90
49) 1,4-Dioxane	6.61	88	32570	1022.616	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	582972	227.880	ug/l	94
52) Toluene	7.64	92	187161	54.431	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	109693	48.553	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	118028	48.152	ug/l	91
55) 1,1,2-Trichloroethane	8.06	97	73206	53.859	ug/l	98
56) Ethyl methacrylate	8.02	69	117202	50.354	ug/l	89
57) 1,3-Dichloropropane	8.24	76	129317	51.253	ug/l	100
59) 2-Hexanone	8.36	43	444659	219.294	ug/l	92
60) Dibromochloromethane	8.48	129	69794	52.447	ug/l	100
61) 1,2-Dibromoethane	8.58	107	78686	55.205	ug/l	98
64) Tetrachloroethene	8.22	164	70475	61.950	ug/l	98
65) Chlorobenzene	9.12	112	192296	52.912	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	64223	55.339	ug/l	98
67) Ethyl Benzene	9.25	91	334871	50.123	ug/l	98
68) m/p-Xylenes	9.37	106	259170	106.609	ug/l	96
69) o-Xylene	9.78	106	125928	53.304	ug/l	94
70) Stvrene	9.79	104	207337	53.031	ug/l	97
71) Bromoform	9.96	173	56874	57.608	ug/l #	98
73) Isopropylbenzene	10.16	105	322361	49.905	ug/l	98
74) N-amyl acetate	10.01	43	153196	41.115	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	131254	52.896	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	105257m	48.966	ug/l	
77) Bromobenzene	10.45	156	82893	54.870	ug/l	90
78) n-propylbenzene	10.58	91	390056	48.596	ug/l	98
79) 2-Chlorotoluene	10.66	91	232646	50.318	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	273124	51.080	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	44622m	51.028	ug/l	
82) 4-Chlorotoluene	10.77	91	262384	47.890	ug/l	96
83) tert-Butylbenzene	11.10	119	264010	51.227	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	277531	50.364	ug/l	96
85) sec-Butylbenzene	11.32	105	328190	49.569	ug/l	98
86) p-Isopropyltoluene	11.47	119	276416	49.147	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	146454	51.340	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	147254	49.893	ug/l	98
89) n-Butylbenzene	11.89	91	254791	44.763	ug/l	99
90) Hexachloroethane	12.14	117	44241	52.043	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	148898	52.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26707	49.714	ug/l	85
93) 1,2,4-Trichlorobenzene	13.50	180	97578	49.769	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	42405	45.368	ug/l	96
95) Naphthalene	13.74	128	343431	50.157	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	102369	52.450	ug/l	99

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

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