

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092018\
 Data File : VU026921.D
 Acq On : 20 Sep 2018 00:41
 Operator : MD/SY
 Sample : J4934-10MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 4:12:28 PM

Quant Time: Sep 20 08:07:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	92470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	134625	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83587	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	68545	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	4.88	113	58120	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	7.57	98	211608	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	10.31	95	75047	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	50830	50.878	ug/l	97
3) Chloromethane	1.33	50	59749	42.807	ug/l	99
4) Vinyl Chloride	1.40	62	63975	44.228	ug/l	99
5) Bromomethane	1.61	94	27374	30.215	ug/l	99
6) Chloroethane	1.69	64	43379	47.122	ug/l	98
7) Trichlorofluoromethane	1.88	101	86978	45.998	ug/l	99
8) Diethyl Ether	2.10	74	37705	45.504	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	52843	47.056	ug/l	98
10) Methyl Iodide	2.41	142	18715	24.148	ug/l	98
11) Tert butyl alcohol	2.83	59	66122	193.390	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52880	49.811	ug/l	100
13) Acrolein	2.19	56	53878	233.833	ug/l	99
14) Allyl chloride	2.59	41	85312	44.619	ug/l	95
15) Acrylonitrile	2.94	53	179611	244.951	ug/l	99
16) Acetone	2.32	43	155249	195.484	ug/l	97
17) Carbon Disulfide	2.48	76	152010	45.003	ug/l	98
18) Methyl Acetate	2.61	43	77967	45.500	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	178734	48.898	ug/l	99
20) Methylene Chloride	2.70	84	62448	48.478	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	54847	49.042	ug/l	97
22) Diisopropyl ether	3.57	45	189478	47.482	ug/l	98
23) Vinyl Acetate	3.52	43	688592	203.138	ug/l	97
24) 1,1-Dichloroethane	3.45	63	185398	82.360	ug/l	98
25) 2-Butanone	4.26	43	234107	218.836	ug/l	97
26) 2,2-Dichloropropane	4.23	77	70701	38.210	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	61832	47.971	ug/l	96
28) Bromochloromethane	4.55	49	52116	48.416	ug/l	93
29) Tetrahydrofuran	4.64	42	152157	235.913	ug/l	98
30) Chloroform	4.67	83	106332	48.035	ug/l	98
31) Cyclohexane	5.00	56	93646	45.532	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	91903	50.143	ug/l	97
36) 1,1-Dichloropropene	5.14	75	76977	50.928	ug/l	99
37) Ethyl Acetate	4.38	43	75503	41.540	ug/l	99
38) Carbon Tetrachloride	5.13	117	79691	49.902	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	87465	48.737	ug/l	98
40) Benzene	5.39	78	239287	50.977	ug/l	99
41) Methacrylonitrile	4.54	41	48380	47.275	ug/l	98
42) 1,2-Dichloroethane	5.40	62	83536	49.907	ug/l	98
43) Isopropyl Acetate	5.55	43	122214	44.159	ug/l	98
44) Trichloroethene	6.19	130	60297	51.902	ug/l	93
45) 1,2-Dichloropropane	6.43	63	64315	50.402	ug/l	100
46) Dibromomethane	6.56	93	40989	49.777	ug/l	90
47) Bromodichloromethane	6.76	83	81890	50.503	ug/l	100
48) Methyl methacrylate	6.62	41	68439	45.370	ug/l	97
49) 1,4-Dioxane	6.61	88	31157	901.512	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	437247	236.194	ug/l	97
52) Toluene	7.64	92	149457	53.452	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	85340	47.449	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	88834	45.997	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	62164	51.890	ug/l	98
56) Ethyl methacrylate	8.02	69	86771	43.395	ug/l	97
57) 1,3-Dichloropropane	8.24	76	105825	51.827	ug/l	98
59) 2-Hexanone	8.36	43	334677	229.717	ug/l	96
60) Dibromochloromethane	8.48	129	66298	51.099	ug/l	99
61) 1,2-Dibromoethane	8.59	107	64313	49.477	ug/l	99
64) Tetrachloroethene	8.23	164	55241	53.439	ug/l	95
65) Chlorobenzene	9.12	112	164369	50.940	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	61067	51.436	ug/l	98
67) Ethyl Benzene	9.25	91	273239	51.405	ug/l	99
68) m/p-Xylenes	9.38	106	219795	108.702	ug/l	96
69) o-Xylene	9.78	106	104937	48.610	ug/l	96
70) Styrene	9.79	104	177547	48.832	ug/l	98
71) Bromoform	9.96	173	52690	51.028	ug/l #	99
73) Isopropylbenzene	10.17	105	279749	49.114	ug/l	99
74) N-amyl acetate	10.02	43	98649	36.684	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.46	83	101101	43.552	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	80389m	42.934	ug/l	
77) Bromobenzene	10.45	156	75226	48.594	ug/l	95
78) n-propylbenzene	10.59	91	321281	48.496	ug/l	98
79) 2-Chlorotoluene	10.66	91	192970	46.989	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	238323	49.778	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	23771m	43.194	ug/l	
82) 4-Chlorotoluene	10.77	91	221152	47.930	ug/l	98
83) tert-Butylbenzene	11.10	119	234808	48.326	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	244777	50.689	ug/l	99
85) sec-Butylbenzene	11.33	105	283304	49.099	ug/l	98
86) p-Isopropyltoluene	11.48	119	254662	45.996	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	138073	47.809	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	140077	46.703	ug/l	99
89) n-Butylbenzene	11.89	91	209251	41.491	ug/l	97
90) Hexachloroethane	12.15	117	44585	43.789	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	138609	47.711	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20627	44.320	ug/l	92
93) 1,2,4-Trichlorobenzene	13.50	180	93465	48.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	49783	50.160	ug/l	99
95) Naphthalene	13.74	128	294205	45.426	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	101100	50.177	ug/l	99

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

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