

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU027010.D
 Acq On : 22 Sep 2018 10:24
 Operator : MD/SY
 Sample : J4958-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:19 PM

Quant Time: Sep 24 04:27:24 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	53503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	103530	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	96359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49193	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	79794	74.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.20%	
35) Dibromofluoromethane	4.88	113	54518	60.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.50%	
50) Toluene-d8	7.57	98	162337	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	10.31	95	56811	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	35552	50.894	ug/l 98
3) Chloromethane	1.33	50	83156	69.045	ug/l 100
4) Vinyl Chloride	1.40	62	69129	61.490	ug/l 99
5) Bromomethane	1.61	94	39181	61.201	ug/l 97
6) Chloroethane	1.69	64	48311	67.256	ug/l 98
7) Trichlorofluoromethane	1.88	101	58662	45.942	ug/l 98
8) Diethyl Ether	2.10	74	47465	77.230	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	26584	33.861	ug/l 99
10) Methyl Iodide	2.41	142	54407	55.876	ug/l 100
11) Tert butyl alcohol	2.83	59	103328	418.639	ug/l 99
12) 1,1-Dichloroethene	2.28	96	38569	52.194	ug/l 98
13) Acrolein	2.19	56	64852	487.420	ug/l 100
14) Allyl chloride	2.59	41	92372	61.632	ug/l 99
15) Acrylonitrile	2.94	53	251166	403.753	ug/l 99
16) Acetone	2.32	43	230424	413.698	ug/l 98
17) Carbon Disulfide	2.48	76	114491	47.561	ug/l 100
18) Methyl Acetate	2.62	43	89895	58.652	ug/l 100
19) Methyl tert-butyl Ether	3.00	73	224879	82.813	ug/l 99
20) Methylene Chloride	2.70	84	66197	68.641	ug/l 99
21) trans-1,2-Dichloroethene	2.98	96	46418	58.834	ug/l 98
22) Diisopropyl ether	3.57	45	260110	81.139	ug/l 97
23) Vinyl Acetate	3.53	43	750559	274.663	ug/l 99
24) 1,1-Dichloroethane	3.45	63	122892	69.603	ug/l 100
25) 2-Butanone	4.26	43	354590	391.830	ug/l 100
26) 2,2-Dichloropropane	4.23	77	33106	24.043	ug/l 92
27) cis-1,2-Dichloroethene	4.23	96	59602	66.894	ug/l 95
28) Bromochloromethane	4.55	49	64959	76.323	ug/l 97
29) Tetrahydrofuran	4.64	42	232123	424.015	ug/l 98
30) Chloroform	4.67	83	110800	67.606	ug/l 100
31) Cyclohexane	5.00	56	51476	31.864	ug/l 98
32) 1,1,1-Trichloroethane	4.92	97	73511	56.178	ug/l 99
36) 1,1-Dichloropropene	5.14	75	53838	38.964	ug/l 99
37) Ethyl Acetate	4.38	43	92758	49.590	ug/l 99
38) Carbon Tetrachloride	5.13	117	52380	39.836	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	36190	24.102	ug/l	95
40) Benzene	5.39	78	225366	53.653	ug/l	99
41) Methacrylonitrile	4.54	41	73061	75.210	ug/l	97
42) 1,2-Dichloroethane	5.40	62	102926	64.856	ug/l	100
43) Isopropyl Acetate	5.55	43	158889	58.246	ug/l	99
44) Trichloroethene	6.19	130	39934	44.657	ug/l	97
45) 1,2-Dichloropropane	6.43	63	72508	60.583	ug/l	97
46) Dibromomethane	6.56	93	45723	63.255	ug/l	98
47) Bromodichloromethane	6.76	83	85733	58.657	ug/l	97
48) Methyl methacrylate	6.62	41	96747	64.855	ug/l	99
49) 1,4-Dioxane	6.61	88	40559	1376.175	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	675591	368.236	ug/l	100
52) Toluene	7.64	92	115663	48.039	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	85957	54.737	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	87869	50.889	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	65139	63.849	ug/l	99
56) Ethyl methacrylate	8.02	69	110829	62.057	ug/l	99
57) 1,3-Dichloropropane	8.24	76	122760	64.696	ug/l	100
59) 2-Hexanone	8.36	43	519872	361.993	ug/l	100
60) Dibromochloromethane	8.48	129	62868	62.824	ug/l	98
61) 1,2-Dibromoethane	8.59	107	66569	62.713	ug/l	99
64) Tetrachloroethene	8.23	164	25698	34.609	ug/l	98
65) Chlorobenzene	9.12	112	121440	47.531	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	50924	57.867	ug/l	99
67) Ethyl Benzene	9.25	91	185367	44.121	ug/l	100
68) m/p-Xylenes	9.38	106	136669	80.618	ug/l	97
69) o-Xylene	9.78	106	73909	49.650	ug/l	100
70) Styrene	9.79	104	126952	45.832	ug/l	100
71) Bromoform	9.96	173	45673	67.114	ug/l #	98
73) Isopropylbenzene	10.17	105	160294	42.836	ug/l	99
74) N-amyl acetate	10.02	43	117163	54.090	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	117424	68.250	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	110521m	73.953	ug/l	
77) Bromobenzene	10.45	156	50777	55.528	ug/l	96
78) n-propylbenzene	10.59	91	184050	41.568	ug/l	99
79) 2-Chlorotoluene	10.66	91	132372	47.596	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	145323	47.046	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	24447m	52.349	ug/l	
82) 4-Chlorotoluene	10.77	91	150129	48.142	ug/l	100
83) tert-Butylbenzene	11.10	119	135930	44.510	ug/l	95
84) 1,2,4-Trimethylbenzene	11.15	105	153075	48.694	ug/l	99
85) sec-Butylbenzene	11.32	105	141268	37.894	ug/l	100
86) p-Isopropyltoluene	11.48	119	124717	35.919	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	82443	48.448	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	85458	46.079	ug/l	99
89) n-Butylbenzene	11.89	91	103634	31.492	ug/l	99
90) Hexachloroethane	12.15	117	27114	39.996	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	91964	50.877	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26231	74.735	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	54691	52.504	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	17011	30.864	ug/l	100
95) Naphthalene	13.74	128	256901	62.637	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	65012	58.199	ug/l	99

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

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