

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028739.D
 Acq On : 17 Dec 2018 23:33
 Operator : MD/SY
 Sample : VU1217WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:32 AM

Quant Time: Dec 18 07:32:38 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	74586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	132118	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	122121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	56066	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	60500	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	4.88	113	44938	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
50) Toluene-d8	7.57	98	171124	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	10.30	95	61401	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	20279	20.285	ug/l	99
3) Chloromethane	1.33	50	34734	18.898	ug/l	99
4) Vinyl Chloride	1.40	62	27027	20.376	ug/l	100
5) Bromomethane	1.61	94	11291	21.132	ug/l	95
6) Chloroethane	1.69	64	15502	20.644	ug/l	97
7) Trichlorofluoromethane	1.88	101	28136	20.162	ug/l	98
8) Diethyl Ether	2.10	74	12731	19.499	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	17390	20.836	ug/l	97
10) Methyl Iodide	2.41	142	18072	27.596	ug/l	99
11) Tert butyl alcohol	2.83	59	28483	112.318	ug/l	98
12) 1,1-Dichloroethene	2.28	96	17412	20.968	ug/l	99
13) Acrolein	2.19	56	20380	100.810	ug/l	100
14) Allyl chloride	2.59	41	39604	20.160	ug/l	99
15) Acrylonitrile	2.94	53	77661	110.305	ug/l	100
16) Acetone	2.32	43	62082	83.584	ug/l	100
17) Carbon Disulfide	2.48	76	57882	19.348	ug/l	99
18) Methyl Acetate	2.62	43	46872	24.344	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	67359	21.397	ug/l	100
20) Methylene Chloride	2.70	84	21511	19.646	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	19274	20.614	ug/l	98
22) Diisopropyl ether	3.57	45	84150	22.027	ug/l	97
23) Vinyl Acetate	3.52	43	334022	105.999	ug/l	99
24) 1,1-Dichloroethane	3.44	63	42044	21.024	ug/l	98
25) 2-Butanone	4.26	43	104400	102.853	ug/l	100
26) 2,2-Dichloropropane	4.23	77	28324	17.875	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	21570	20.382	ug/l	99
28) Bromochloromethane	4.55	49	20391	22.430	ug/l	97
29) Tetrahydrofuran	4.64	42	74175	113.783	ug/l	97
30) Chloroform	4.67	83	37434	21.478	ug/l	96
31) Cyclohexane	4.99	56	41430	20.524	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	30863	21.321	ug/l	97
36) 1,1-Dichloropropene	5.13	75	28386	19.634	ug/l	98
37) Ethyl Acetate	4.38	43	38991	20.863	ug/l	99
38) Carbon Tetrachloride	5.13	117	24050	20.639	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	32739	18.562	ug/l	98
40) Benzene	5.39	78	89328	20.979	ug/l	96
41) Methacrylonitrile	4.54	41	22253	21.742	ug/l	98
42) 1,2-Dichloroethane	5.40	62	31346	21.031	ug/l	99
43) Isopropyl Acetate	5.55	43	65067	22.011	ug/l	99
44) Trichloroethene	6.19	130	19406	20.497	ug/l	98
45) 1,2-Dichloropropane	6.43	63	26170	21.856	ug/l	97
46) Dibromomethane	6.56	93	15218	21.420	ug/l	97
47) Bromodichloromethane	6.76	83	29473	21.319	ug/l	98
48) Methyl methacrylate	6.62	41	31944	21.730	ug/l	98
49) 1,4-Dioxane	6.61	88	10059	433.356	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	203659	109.234	ug/l	99
52) Toluene	7.64	92	52362	20.895	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	33071	20.085	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	36384	20.368	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	21512	21.716	ug/l	97
56) Ethyl methacrylate	8.02	69	35320	20.821	ug/l	99
57) 1,3-Dichloropropane	8.24	76	38399	20.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	91019	104.757	ug/l	100
59) 2-Hexanone	8.36	43	155183	105.012	ug/l	99
60) Dibromochloromethane	8.48	129	20718	21.362	ug/l	98
61) 1,2-Dibromoethane	8.58	107	22069	21.245	ug/l	100
64) Tetrachloroethene	8.22	164	16639	20.427	ug/l	97
65) Chlorobenzene	9.12	112	52507	20.177	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	18249	21.961	ug/l	99
67) Ethyl Benzene	9.25	91	96135	20.096	ug/l	99
68) m/p-Xylenes	9.37	106	70349	40.414	ug/l	98
69) o-Xylene	9.78	106	34123	20.172	ug/l	99
70) Styrene	9.79	104	56109	20.043	ug/l	100
71) Bromoform	9.96	173	15298	21.640	ug/l #	99
73) Isopropylbenzene	10.16	105	90621	21.064	ug/l	99
74) N-amyl acetate	10.01	43	55152	22.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	38154	23.087	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	33401m	23.330	ug/l	
77) Bromobenzene	10.45	156	22253	22.117	ug/l	99
78) n-propylbenzene	10.58	91	110749	20.717	ug/l	99
79) 2-Chlorotoluene	10.66	91	66983	21.753	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	76575	21.503	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	12967m	22.560	ug/l	
82) 4-Chlorotoluene	10.77	91	76356	20.925	ug/l	100
83) tert-Butylbenzene	11.10	119	72630	21.160	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	78047	21.266	ug/l	100
85) sec-Butylbenzene	11.32	105	91301	20.705	ug/l	98
86) p-Isopropyltoluene	11.48	119	74622	19.921	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	38550	20.291	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	39096	19.889	ug/l	98
89) n-Butylbenzene	11.89	91	71709	18.916	ug/l	99
90) Hexachloroethane	12.14	117	12504	22.085	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	39047	20.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8260	23.086	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	24154	19.027	ug/l	100
94) Hexachlorobutadiene	13.69	225	11551	18.555	ug/l	98
95) Naphthalene	13.74	128	86476	18.963	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	25974	20.072	ug/l	95

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

