

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028738.D
 Acq On : 17 Dec 2018 23:09
 Operator : MD/SY
 Sample : VU1217WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:28 AM

Quant Time: Dec 18 07:31:25 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	74963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	130575	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	119119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	57062	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	64957	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	4.88	113	46680	56.81	ug/l	0.00
Spiked Amount			Recovery	=	113.62%	
50) Toluene-d8	7.56	98	180599	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
62) 4-Bromofluorobenzene	10.30	95	63629	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	20673	20.575	ug/l	97
3) Chloromethane	1.33	50	35623	19.284	ug/l	96
4) Vinyl Chloride	1.40	62	27684	20.767	ug/l	99
5) Bromomethane	1.61	94	11418	21.262	ug/l	100
6) Chloroethane	1.69	64	16027	21.236	ug/l	98
7) Trichlorofluoromethane	1.88	101	28966	20.652	ug/l	92
8) Diethyl Ether	2.10	74	13263	20.212	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	17325	20.654	ug/l	99
10) Methyl Iodide	2.41	142	18587	28.239	ug/l	98
11) Tert butyl alcohol	2.83	59	28170	110.525	ug/l	99
12) 1,1-Dichloroethene	2.28	96	17071	20.454	ug/l	96
13) Acrolein	2.19	56	20138	99.112	ug/l	97
14) Allyl chloride	2.59	41	45432	23.010	ug/l	91
15) Acrylonitrile	2.94	53	80019	113.083	ug/l	100
16) Acetone	2.32	43	65058	87.150	ug/l	100
17) Carbon Disulfide	2.48	76	59451	19.773	ug/l	100
18) Methyl Acetate	2.61	43	48576	25.102	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	67878	21.453	ug/l	96
20) Methylene Chloride	2.70	84	22597	20.534	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	19230	20.464	ug/l	99
22) Diisopropyl ether	3.57	45	86731	22.588	ug/l	96
23) Vinyl Acetate	3.52	43	344348	108.727	ug/l	99
24) 1,1-Dichloroethane	3.44	63	43182	21.485	ug/l	99
25) 2-Butanone	4.26	43	108364	106.222	ug/l	99
26) 2,2-Dichloropropane	4.23	77	29694	18.646	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	22346	21.009	ug/l	99
28) Bromochloromethane	4.55	49	23175	25.364	ug/l	99
29) Tetrahydrofuran	4.64	42	76921	117.402	ug/l	96
30) Chloroform	4.67	83	38412	21.928	ug/l	96
31) Cyclohexane	4.99	56	42139	20.785	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	31716	21.800	ug/l	98
36) 1,1-Dichloropropene	5.13	75	29526	20.664	ug/l	99
37) Ethyl Acetate	4.38	43	40486	21.919	ug/l	99
38) Carbon Tetrachloride	5.13	117	24815	21.547	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	34082	19.551	ug/l	99
40) Benzene	5.39	78	91080	21.643	ug/l	100
41) Methacrylonitrile	4.54	41	23384	23.117	ug/l	96
42) 1,2-Dichloroethane	5.40	62	32538	22.089	ug/l	99
43) Isopropyl Acetate	5.55	43	66154	22.643	ug/l	99
44) Trichloroethene	6.19	130	19722	21.077	ug/l	98
45) 1,2-Dichloropropane	6.43	63	27015	22.828	ug/l	100
46) Dibromomethane	6.56	93	15434	21.981	ug/l	99
47) Bromodichloromethane	6.76	83	30257	22.144	ug/l	97
48) Methyl methacrylate	6.62	41	33064	22.757	ug/l	97
49) 1,4-Dioxane	6.61	88	10257	447.108	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	210631	114.308	ug/l	99
52) Toluene	7.64	92	51663	20.860	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	34592	21.257	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	37551	21.269	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	21784	22.251	ug/l	93
56) Ethyl methacrylate	8.02	69	35383	21.105	ug/l	95
57) 1,3-Dichloropropane	8.24	76	39766	21.881	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	89759	104.527	ug/l	99
59) 2-Hexanone	8.36	43	157994	108.178	ug/l	99
60) Dibromochloromethane	8.48	129	20642	21.535	ug/l	99
61) 1,2-Dibromoethane	8.58	107	22286	21.707	ug/l	98
64) Tetrachloroethene	8.22	164	17245	21.704	ug/l	98
65) Chlorobenzene	9.12	112	54763	21.575	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	18457	22.771	ug/l	99
67) Ethyl Benzene	9.25	91	98544	21.119	ug/l	99
68) m/p-Xylenes	9.37	106	72733	42.837	ug/l	98
69) o-Xylene	9.78	106	35290	21.387	ug/l	99
70) Styrene	9.79	104	58688	21.492	ug/l	99
71) Bromoform	9.95	173	15829	22.956	ug/l #	99
73) Isopropylbenzene	10.17	105	93190	21.283	ug/l	100
74) N-amyl acetate	10.01	43	56137	22.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	39342	23.390	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	34102m	23.404	ug/l	
77) Bromobenzene	10.45	156	22338	21.814	ug/l	99
78) n-propylbenzene	10.58	91	114235	20.996	ug/l	99
79) 2-Chlorotoluene	10.66	91	68445	21.839	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	77286	21.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	11335m	19.450	ug/l	
82) 4-Chlorotoluene	10.77	91	76116	20.495	ug/l	99
83) tert-Butylbenzene	11.10	119	75316	21.559	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	80106	21.446	ug/l	98
85) sec-Butylbenzene	11.32	105	94227	20.995	ug/l	99
86) p-Isopropyltoluene	11.48	119	76853	20.159	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	39371	20.361	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	40193	20.091	ug/l	99
89) n-Butylbenzene	11.89	91	72667	18.834	ug/l	100
90) Hexachloroethane	12.14	117	13278	23.043	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	40737	21.062	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8163	22.417	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	24654	19.080	ug/l	99
94) Hexachlorobutadiene	13.69	225	12391	19.557	ug/l	98
95) Naphthalene	13.74	128	86040	18.538	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26517	20.134	ug/l	97

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

