

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110818\
 Data File : VU028014.D
 Acq On : 08 Nov 2018 10:36
 Operator : MD/SY
 Sample : VU1108WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 12:03:04 PM

Quant Time: Nov 08 11:03:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	197033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	331166	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	304534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	144856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138020	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
35) Dibromofluoromethane	4.88	113	106119	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	7.57	98	396628	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	10.31	95	144763	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	35232	14.072	ug/l	99
3) Chloromethane	1.33	50	49124	16.224	ug/l	100
4) Vinyl Chloride	1.40	62	46973	15.630	ug/l	99
5) Bromomethane	1.63	94	22241	20.269	ug/l	98
6) Chloroethane	1.70	64	30216	17.447	ug/l	98
7) Trichlorofluoromethane	1.89	101	59268	17.067	ug/l	99
8) Diethyl Ether	2.11	74	26531	17.842	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37550	18.202	ug/l	98
10) Methyl Iodide	2.41	142	27441	19.995	ug/l	96
11) Tert butyl alcohol	2.82	59	68768	88.675	ug/l	100
12) 1,1-Dichloroethene	2.29	96	34603	16.757	ug/l	99
13) Acrolein	2.20	56	13564	41.894	ug/l	94
14) Allyl chloride	2.59	41	79006	15.654	ug/l	98
15) Acrylonitrile	2.94	53	170267	89.381	ug/l	98
16) Acetone	2.32	43	162958	89.660	ug/l	99
17) Carbon Disulfide	2.48	76	99658	14.765	ug/l	99
18) Methyl Acetate	2.62	43	90648	18.131	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	145716	17.498	ug/l	97
20) Methylene Chloride	2.70	84	44228	16.667	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	38464	16.140	ug/l	99
22) Diisopropyl ether	3.58	45	181528	17.422	ug/l	97
23) Vinyl Acetate	3.53	43	784327	87.586	ug/l	100
24) 1,1-Dichloroethane	3.45	63	87198	16.801	ug/l	100
25) 2-Butanone	4.26	43	253772	87.766	ug/l	99
26) 2,2-Dichloropropane	4.23	77	69951	17.960	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	47973	17.951	ug/l	97
28) Bromochloromethane	4.55	49	48792	20.053	ug/l	98
29) Tetrahydrofuran	4.64	42	161128	83.453	ug/l	99
30) Chloroform	4.67	83	81948	17.221	ug/l	97
31) Cyclohexane	5.00	56	84686	15.460	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	66860	17.650	ug/l	99
36) 1,1-Dichloropropene	5.14	75	59968	17.290	ug/l	100
37) Ethyl Acetate	4.38	43	88023	17.320	ug/l	99
38) Carbon Tetrachloride	5.14	117	52567	17.102	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71636	17.124	ug/l	98
40) Benzene	5.39	78	185466	17.490	ug/l	100
41) Methacrylonitrile	4.54	41	49044	18.083	ug/l	97
42) 1,2-Dichloroethane	5.41	62	65435	17.360	ug/l	98
43) Isopropyl Acetate	5.55	43	142047	17.841	ug/l	99
44) Trichloroethene	6.19	130	39931	17.518	ug/l	100
45) 1,2-Dichloropropane	6.43	63	54484	17.816	ug/l	100
46) Dibromomethane	6.56	93	31202	17.750	ug/l	99
47) Bromodichloromethane	6.76	83	61191	18.063	ug/l	98
48) Methyl methacrylate	6.62	41	70421	18.049	ug/l	100
49) 1,4-Dioxane	6.61	88	25387	398.812	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	468800	88.165	ug/l	100
52) Toluene	7.64	92	107428	17.232	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	70330	17.485	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	76365	18.286	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	46512	18.338	ug/l	97
56) Ethyl methacrylate	8.02	69	82266	18.392	ug/l	98
57) 1,3-Dichloropropane	8.24	76	82773	17.915	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	231832	96.777	ug/l	99
59) 2-Hexanone	8.36	43	366137	89.029	ug/l	99
60) Dibromochloromethane	8.48	129	44017	18.340	ug/l	98
61) 1,2-Dibromoethane	8.59	107	46906	17.405	ug/l	97
64) Tetrachloroethene	8.23	164	34370	17.405	ug/l	95
65) Chlorobenzene	9.12	112	113373	17.621	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	40792	18.562	ug/l	97
67) Ethyl Benzene	9.25	91	209361	17.678	ug/l	100
68) m/p-Xylenes	9.38	106	151437	35.242	ug/l	99
69) o-Xylene	9.78	106	75546	17.410	ug/l	99
70) Styrene	9.79	104	123309	17.785	ug/l	99
71) Bromoform	9.96	173	32673	17.740	ug/l #	99
73) Isopropylbenzene	10.17	105	207053	18.451	ug/l	99
74) N-amyl acetate	10.01	43	121952	17.972	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	82148	18.148	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	82459m	20.811	ug/l	
77) Bromobenzene	10.45	156	46726	18.159	ug/l	98
78) n-propylbenzene	10.59	91	244100	18.172	ug/l	100
79) 2-Chlorotoluene	10.66	91	143736	17.852	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	171222	18.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	30194m	19.190	ug/l	
82) 4-Chlorotoluene	10.77	91	164792	18.028	ug/l	98
83) tert-Butylbenzene	11.10	119	166230	17.887	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	174291	18.619	ug/l	98
85) sec-Butylbenzene	11.32	105	208126	18.415	ug/l	99
86) p-Isopropyltoluene	11.48	119	173661	18.380	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	83919	17.655	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	86744	17.804	ug/l	98
89) n-Butylbenzene	11.89	91	157611	17.552	ug/l	99
90) Hexachloroethane	12.15	117	30706	18.254	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	86496	18.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17502	18.350	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	54176	16.624	ug/l	97
94) Hexachlorobutadiene	13.69	225	27283	17.958	ug/l	98
95) Naphthalene	13.74	128	199075	16.633	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	59176	18.449	ug/l	96

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

