

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103018\
 Data File : VU027874.D
 Acq On : 30 Oct 2018 15:09
 Operator : MD/SY
 Sample : MDL03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:15:29 AM

Quant Time: Oct 31 02:39:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 31 02:11:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	78968	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	74284	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	36998	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	32724	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.68	69	24703	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.28	63	46823	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	4.20	46	97126	52.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.54%
24) Chloroform-d	4.65	84	56193	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.31	65	32872	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.34	84	109372	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.34	67	38188	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.57	98	100255	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.85	79	14299	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.31	63	81340	53.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26845	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	35832	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	2472	0.318 ug/L	92
3) Chloromethane	1.33	50	2660	0.345 ug/L	96
5) Vinyl chloride	1.40	62	2342	0.305 ug/L #	62
6) Bromomethane	1.63	94	828	0.328 ug/L	93
8) Chloroethane	1.70	64	1526	0.339 ug/L	87
9) Trichlorofluoromethane	1.89	101	3664	0.360 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1834	0.353 ug/L	90
12) 1,1-Dichloroethene	2.29	96	1778	0.363 ug/L #	1
13) Acetone	2.33	43	4075	3.512 ug/L	91
14) Carbon disulfide	2.48	76	5630	0.321 ug/L	98
15) Methyl Acetate	2.62	43	1446	0.466 ug/L #	77
16) Methylene chloride	2.71	84	1879	0.341 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	4776	0.327 ug/L	98
18) trans-1,2-Dichloroethene	2.99	96	1816	0.348 ug/L	100
19) 1,1-Dichloroethane	3.45	63	3477	0.316 ug/L	92
21) 2-Butanone	4.29	43	6444	3.195 ug/L #	72
22) cis-1,2-Dichloroethene	4.23	96	2056m	0.341 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.56	128	586	0.235	ug/L #	49
25) Chloroform	4.68	83	3429	0.307	ug/L	77
27) 1,2-Dichloroethane	5.41	62	2484	0.319	ug/L #	88
29) 1,1,1-Trichloroethane	4.92	97	3034	0.317	ug/L	96
30) Cyclohexane	4.99	56	3645	0.324	ug/L	97
31) Carbon tetrachloride	5.13	117	2676	0.325	ug/L	95
33) Benzene	5.40	78	7842	0.333	ug/L	100
34) Trichloroethene	6.19	95	2049	0.335	ug/L	90
35) Methylcyclohexane	6.41	83	3259	0.313	ug/L	98
37) 1,2-Dichloropropane	6.44	63	2196	0.328	ug/L #	90
38) Bromodichloromethane	6.76	83	2447	0.312	ug/L #	87
39) cis-1,3-Dichloropropene	7.28	75	3195	0.333	ug/L	95
40) 4-Methyl-2-pentanone	7.47	43	15137	3.197	ug/L #	90
42) Toluene	7.64	91	8360	0.340	ug/L	93
44) trans-1,3-Dichloropropene	7.88	75	3055	0.371	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	1236	0.300	ug/L	85
47) Tetrachloroethene	8.23	164	1748	0.372	ug/L	80
48) 2-Hexanone	8.37	43	12375	3.626	ug/L	95
49) Dibromochloromethane	8.48	129	1568	0.315	ug/L	95
50) 1,2-Dibromoethane	8.59	107	1288	0.327	ug/L #	86
51) Chlorobenzene	9.12	112	5243	0.343	ug/L	91
52) Ethylbenzene	9.25	91	8920	0.318	ug/L	99
53) m,p-xylene	9.38	106	3118	0.306	ug/L	89
54) o-xylene	9.78	106	3056	0.306	ug/L	77
55) Styrene	9.80	104	4956	0.296	ug/L	91
56) Isopropylbenzene	10.17	105	8219	0.302	ug/L #	93
58) 1,1,2,2-Tetrachloroethane	10.46	83	1763	0.328	ug/L #	95
59) 1,2,3-Trichloropropane	10.49	75	1250m	0.308	ug/L	
61) Bromoform	9.96	173	778	0.286	ug/L #	78
62) 1,3-Dichlorobenzene	11.42	146	4130	0.347	ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	3925	0.330	ug/L	90
65) 1,2-Dichlorobenzene	11.88	146	3852	0.343	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	307m	0.349	ug/L	
67) 1,3,5-Trichlorobenzene	12.89	180	3286m	0.343	ug/L	
68) 1,2,4-trichlorobenzene	13.51	180	2529	0.311	ug/L	93
69) Naphthalene	13.75	128	3427	0.271	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.99	180	2458	0.331	ug/L	93

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

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