

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008395.D
 Acq On : 24 Oct 2018 16:36
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL06

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:40:55 PM

Quant Time: Oct 25 09:14:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 08:48:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	193579	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176810	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75536	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44936	41.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.86%
7) Chloroethane-d5	1.57	69	35924	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.84%
11) 1,1-Dichloroethene-d2	2.13	63	64895	33.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.04%
21) 2-Butanone-d5	3.94	46	113282	97.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.25%
24) Chloroform-d	4.41	84	117729	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
26) 1,2-Dichloroethane-d4	5.09	65	83581	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.58%
32) Benzene-d6	5.10	84	238481	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
36) 1,2-Dichloropropane-d6	6.12	67	83419	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.40%
41) Toluene-d8	7.36	98	210598	46.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.06%
43) trans-1,3-Dichloropropene-	7.67	79	39349	46.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.62%
47) 2-Hexanone-d5	8.14	63	89701	98.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.22%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	114035	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
64) 1,2-Dichlorobenzene-d4	11.68	152	73872	47.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.62%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3183	2.303 ug/L	95
3) Chloromethane	1.25	50	3800	2.566 ug/L	100
5) Vinyl chloride	1.33	62	3556	2.592 ug/L #	73
6) Bromomethane	1.52	94	1199	3.185 ug/L	96
8) Chloroethane	1.59	64	2445	3.392 ug/L	98
9) Trichlorofluoromethane	1.77	101	4477	2.535 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2548	2.762 ug/L	91
12) 1,1-Dichloroethene	2.14	96	2658	3.060 ug/L #	1
13) Acetone	2.19	43	5304	5.867 ug/L	96
14) Carbon disulfide	2.32	76	10395	2.657 ug/L	98
15) Methyl Acetate	2.47	43	4821	2.674 ug/L	100
16) Methylene chloride	2.54	84	3946	2.623 ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	3486	2.633 ug/L	99
18) Methyl tert-butyl Ether	2.81	73	12337	2.603 ug/L	95
19) 1,1-Dichloroethane	3.24	63	6876	2.518 ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	4049	2.684 ug/L	92
22) 2-Butanone	4.03	43	6248	4.784 ug/L #	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1694	2.381	ug/L	97
25) Chloroform	4.43	83	7734	2.901	ug/L	93
27) 1,2-Dichloroethane	5.19	62	6222	2.795	ug/L #	94
29) Cyclohexane	4.73	56	6643	2.580	ug/L	96
30) 1,1,1-Trichloroethane	4.67	97	5904	2.575	ug/L	97
31) Carbon tetrachloride	4.88	117	4987	2.563	ug/L	98
33) Benzene	5.15	78	14582	2.523	ug/L	100
34) Trichloroethene	5.97	95	3975	2.686	ug/L	93
35) Methylcyclohexane	6.18	83	6427m	2.555	ug/L	
37) 1,2-Dichloropropane	6.23	63	4227	2.648	ug/L #	89
38) Bromodichloromethane	6.56	83	4950	2.434	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	6610	2.634	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	12602	5.331	ug/L	96
42) Toluene	7.44	91	16027	2.670	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	6511m	2.773	ug/L	
45) 1,1,2-Trichloroethane	7.89	97	3682	2.609	ug/L	91
46) Tetrachloroethene	8.02	164	2577	2.671	ug/L	93
48) 2-Hexanone	8.19	43	10555	5.787	ug/L	95
49) Dibromochloromethane	8.30	129	3520	2.321	ug/L	87
50) 1,2-Dibromoethane	8.40	107	3601	2.432	ug/L #	95
51) Chlorobenzene	8.93	112	9781	2.646	ug/L	95
52) Ethylbenzene	9.06	91	17400	2.587	ug/L	96
53) m,p-Xylene	9.18	106	6089	2.478	ug/L	99
54) o-xylene	9.59	106	6529	2.661	ug/L	91
55) Styrene	9.61	104	10248	2.479	ug/L	99
56) Isopropylbenzene	9.98	105	16094	2.507	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	6978	2.823	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	5176	2.587	ug/L	99
61) Bromoform	9.78	173	2510	2.633	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	6488	2.598	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	6814	2.722	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	6946	2.727	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.48	75	1253	2.393	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.70	180	3778	2.317	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	2303	1.746	ug/L	94
69) Naphthalene	13.56	128	6321	1.482	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.80	180	2587	1.962	ug/L	90

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

