

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008394.D
 Acq On : 24 Oct 2018 16:13
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:40:51 PM

Quant Time: Oct 25 09:52:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 09:07:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	193448	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173456	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74726	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45737	42.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.40%
7) Chloroethane-d5	1.57	69	36541	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.50%
11) 1,1-Dichloroethene-d2	2.13	63	66505	34.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.76%
21) 2-Butanone-d5	3.94	46	116828	100.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.36%
24) Chloroform-d	4.41	84	120879	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.09	65	84875	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
32) Benzene-d6	5.10	84	242762	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
36) 1,2-Dichloropropane-d6	6.12	67	84633	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.66%
41) Toluene-d8	7.36	98	216649	48.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.54%
43) trans-1,3-Dichloropropene-	7.67	79	39659	47.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.16%
47) 2-Hexanone-d5	8.14	63	91269	101.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.87%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	115325	49.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.26%
64) 1,2-Dichlorobenzene-d4	11.68	152	73834	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1755	1.270 ug/L	91
3) Chloromethane	1.25	50	1926	1.302 ug/L	96
5) Vinyl chloride	1.33	62	1739	1.268 ug/L #	43
6) Bromomethane	1.52	94	609	1.619 ug/L	95
8) Chloroethane	1.59	64	1369m	1.901 ug/L	
9) Trichlorofluoromethane	1.77	101	2125	1.204 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1639	1.778 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	1648	1.899 ug/L #	1
13) Acetone	2.19	43	2689	2.976 ug/L	99
14) Carbon disulfide	2.32	76	5210	1.333 ug/L	100
15) Methyl Acetate	2.46	43	2592	1.439 ug/L #	88
16) Methylene chloride	2.54	84	1970	1.310 ug/L	90
17) trans-1,2-Dichloroethene	2.80	96	1878	1.419 ug/L	86
18) Methyl tert-butyl Ether	2.81	73	5750	1.214 ug/L #	91
19) 1,1-Dichloroethane	3.23	63	3332	1.221 ug/L	90
20) cis-1,2-Dichloroethene	3.97	96	1967	1.305 ug/L	91
22) 2-Butanone	4.03	43	3293	2.523 ug/L #	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	859m	1.208	ug/L	
25) Chloroform	4.43	83	3799	1.426	ug/L	94
27) 1,2-Dichloroethane	5.19	62	2924	1.314	ug/L	98
29) Cyclohexane	4.73	56	3348	1.326	ug/L	95
30) 1,1,1-Trichloroethane	4.67	97	2724	1.211	ug/L	93
31) Carbon tetrachloride	4.88	117	2172	1.138	ug/L	88
33) Benzene	5.15	78	7717	1.361	ug/L	100
34) Trichloroethene	5.97	95	2135	1.471	ug/L	86
35) Methylcyclohexane	6.18	83	2853	1.156	ug/L	89
37) 1,2-Dichloropropane	6.23	63	2022	1.291	ug/L #	89
38) Bromodichloromethane	6.56	83	2477	1.241	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	3025	1.229	ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	6248	2.694	ug/L #	93
42) Toluene	7.43	91	7681	1.304	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	2682	1.164	ug/L	88
45) 1,1,2-Trichloroethane	7.89	97	1595	1.152	ug/L	90
46) Tetrachloroethene	8.02	164	1186	1.253	ug/L	94
48) 2-Hexanone	8.19	43	5433	3.036	ug/L	91
49) Dibromochloromethane	8.30	129	1697	1.141	ug/L	96
50) 1,2-Dibromoethane	8.40	107	1789	1.232	ug/L #	99
51) Chlorobenzene	8.93	112	4441	1.225	ug/L	96
52) Ethylbenzene	9.06	91	7978	1.209	ug/L	100
53) m,p-Xylene	9.19	106	2891	1.199	ug/L	96
54) o-xylene	9.59	106	2801	1.164	ug/L	94
55) Styrene	9.61	104	4902	1.209	ug/L	91
56) Isopropylbenzene	9.98	105	7308	1.161	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	3526	1.454	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	2587	1.318	ug/L	99
61) Bromoform	9.78	173	1122	1.190	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	3082	1.247	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	3231	1.305	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	3171	1.259	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	649m	1.253	ug/L	
67) 1,3,5-Trichlorobenzene	13.31	180	1021	0.633	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	1021	0.782	ug/L	97
69) Naphthalene	13.56	128	2802m	0.664	ug/L	
70) 1,2,3-Trichlorobenzene	13.80	180	913	0.700	ug/L	91

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

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