

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031619\
 Data File : VV009707.D
 Acq On : 16 Mar 2019 00:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Quant Time: Mar 16 02:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 16 02:32:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	173392	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	172080	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	85714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48309	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.16%
7) Chloroethane-d5	1.58	69	49293	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.30%
11) 1,1-Dichloroethene-d2	2.13	63	135462	50.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.08%
21) 2-Butanone-d5	3.93	46	76181	100.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.45%
24) Chloroform-d	4.40	84	111262	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.26%
26) 1,2-Dichloroethane-d4	5.08	65	70802	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.46%
32) Benzene-d6	5.10	84	214228	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
36) 1,2-Dichloropropane-d6	6.12	67	65938	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.56%
41) Toluene-d8	7.36	98	212248	48.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.38%
43) trans-1,3-Dichloropropene-	7.67	79	32731	47.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.72%
47) 2-Hexanone-d5	8.13	63	56238	96.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101768	47.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.70%
64) 1,2-Dichlorobenzene-d4	11.68	152	82591	45.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	66736	60.864	ug/L 100
3) Chloromethane	1.25	50	59209	56.532	ug/L 96
5) Vinyl chloride	1.32	62	65973	59.076	ug/L 96
6) Bromomethane	1.53	94	48515	50.931	ug/L 98
8) Chloroethane	1.60	64	44283	50.917	ug/L 99
9) Trichlorofluoromethane	1.77	101	133001	56.175	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72931	55.554	ug/L 100
12) 1,1-Dichloroethene	2.14	96	64114	57.087	ug/L 94
13) Acetone	2.19	43	48923	61.208	ug/L 95
14) Carbon disulfide	2.32	76	146989	52.462	ug/L 100
15) Methyl Acetate	2.46	43	57000	55.028	ug/L 98
16) Methylene chloride	2.54	84	59078	54.051	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	56017	54.692	ug/L 96
18) Methyl tert-butyl Ether	2.81	73	178670	54.279	ug/L 99
19) 1,1-Dichloroethane	3.23	63	102775	54.264	ug/L 97
20) cis-1,2-Dichloroethene	3.96	96	66211	55.575	ug/L 99
22) 2-Butanone	4.02	43	76533	88.225	ug/L 96

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

23) Bromochloromethane	4.30	128	32824	54.597	ug/L	97
25) Chloroform	4.43	83	115258	54.288	ug/L	97
27) 1,2-Dichloroethane	5.18	62	88242	53.047	ug/L #	95
29) Cyclohexane	4.73	56	91506	54.628	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	103451	56.870	ug/L	99
31) Carbon tetrachloride	4.88	117	85604	56.391	ug/L	99
33) Benzene	5.15	78	238738	55.279	ug/L	100
34) Trichloroethene	5.96	95	64327	55.806	ug/L	98
35) Methylcyclohexane	6.18	83	99026	53.105	ug/L	99
37) 1,2-Dichloropropane	6.22	63	58666	53.294	ug/L	100
38) Bromodichloromethane	6.56	83	83055	53.504	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	94648	53.945	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	156014	105.447	ug/L	99
42) Toluene	7.43	91	264533	53.740	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	86127	52.278	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	62235	54.814	ug/L	97
46) Tetrachloroethene	8.02	164	68687	75.794	ug/L	99
48) 2-Hexanone	8.18	43	115932	98.333	ug/L	97
49) Dibromochloromethane	8.29	129	67821	53.671	ug/L	99
50) 1,2-Dibromoethane	8.40	107	67403	56.044	ug/L	100
51) Chlorobenzene	8.93	112	175232	53.027	ug/L	97
52) Ethylbenzene	9.06	91	304028	54.520	ug/L	98
53) m,p-Xylene	9.18	106	113270	53.020	ug/L	100
54) o-Xylene	9.59	106	116236	53.902	ug/L	95
55) Styrene	9.61	104	191675	54.861	ug/L	96
56) Isopropylbenzene	9.98	105	304746	54.276	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	104745	52.183	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	78996	52.927	ug/L	98
61) Bromoform	9.78	173	44188	45.722	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	133220	51.122	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	132770	51.690	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	134326	50.311	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	20301	50.306	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	90095	53.340	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	74720	63.913	ug/L	98
69) Naphthalene	13.55	128	223794	67.986	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	77210	62.692	ug/L	97

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

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