

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031619\
 Data File : VV009685.D
 Acq On : 15 Mar 2019 14:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Mar 16 02:31:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 13 02:20:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	159160	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	155582	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72579	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42334	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.88%
7) Chloroethane-d5	1.58	69	42680	43.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.06%
11) 1,1-Dichloroethene-d2	2.13	63	114397	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
21) 2-Butanone-d5	3.93	46	67247	96.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	4.40	84	93762	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
26) 1,2-Dichloroethane-d4	5.08	65	62616	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
32) Benzene-d6	5.10	84	184198	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
36) 1,2-Dichloropropane-d6	6.12	67	58174	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.18%
41) Toluene-d8	7.36	98	177622	45.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.14%
43) trans-1,3-Dichloropropene-	7.66	79	28109	44.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.98%
47) 2-Hexanone-d5	8.13	63	45881	86.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	87482	45.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.04%
64) 1,2-Dichlorobenzene-d4	11.67	152	70080	45.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	36546	36.310	ug/L 100
3) Chloromethane	1.25	50	37668	39.181	ug/L 98
5) Vinyl chloride	1.32	62	43762	42.691	ug/L 99
6) Bromomethane	1.53	94	34698	39.683	ug/L 99
8) Chloroethane	1.60	64	32306	40.467	ug/L 99
9) Trichlorofluoromethane	1.77	101	98547	45.345	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	58885	48.865	ug/L 100
12) 1,1-Dichloroethene	2.14	96	49617	48.130	ug/L 97
13) Acetone	2.19	43	61247	83.478	ug/L 95
14) Carbon disulfide	2.32	76	103158	40.111	ug/L 98
15) Methyl Acetate	2.46	43	42129	44.308	ug/L 99
16) Methylene chloride	2.54	84	44616	44.470	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	40471	43.047	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	135956	44.996	ug/L 99
19) 1,1-Dichloroethane	3.23	63	81102	46.650	ug/L 100
20) cis-1,2-Dichloroethene	3.96	96	50019	45.738	ug/L 98
22) 2-Butanone	4.01	43	72581	91.150	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25135	45.546	uq/L	96
25) Chloroform	4.43	83	95739	49.126	uq/L	94
27) 1,2-Dichloroethane	5.18	62	70457	46.143	uq/L	99
29) Cyclohexane	4.72	56	69566	45.934	uq/L	98
30) 1,1,1-Trichloroethane	4.66	97	80939	49.213	uq/L	98
31) Carbon tetrachloride	4.88	117	66358	48.348	uq/L	98
33) Benzene	5.15	78	185553	47.520	uq/L	100
34) Trichloroethene	5.96	95	50648	48.598	uq/L	98
35) Methylcyclohexane	6.18	83	78848	46.768	uq/L	97
37) 1,2-Dichloropropane	6.22	63	48344	48.574	uq/L	100
38) Bromodichloromethane	6.55	83	69529	49.540	uq/L	96
39) cis-1,3-Dichloropropene	7.07	75	73098	46.080	uq/L	100
40) 4-Methyl-2-pentanone	7.27	43	129265	96.632	uq/L	96
42) Toluene	7.43	91	209947	47.174	uq/L	96
44) trans-1,3-Dichloropropene	7.69	75	72154	48.441	uq/L	100
45) 1,1,2-Trichloroethane	7.88	97	50046	48.752	uq/L	97
46) Tetrachloroethene	8.02	164	38931	47.514	uq/L	96
48) 2-Hexanone	8.18	43	97762	91.714	uq/L	98
49) Dibromochloromethane	8.29	129	54850	48.009	uq/L	98
50) 1,2-Dibromoethane	8.40	107	52479	48.263	uq/L	99
51) Chlorobenzene	8.93	112	139638	46.737	uq/L	99
52) Ethylbenzene	9.06	91	238718	47.347	uq/L	99
53) m,p-Xylene	9.18	106	92528	47.904	uq/L	96
54) o-Xylene	9.59	106	89581	45.947	uq/L	98
55) Styrene	9.60	104	149807	47.424	uq/L	98
56) Isopropylbenzene	9.98	105	239250	47.130	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	84624	46.629	uq/L	99
59) 1,2,3-Trichloropropane	10.32	75	64428	47.744	uq/L	98
61) Bromoform	9.78	173	36927	45.124	uq/L	98
62) 1,3-Dichlorobenzene	11.23	146	103790	47.037	uq/L	99
63) 1,4-Dichlorobenzene	11.32	146	102721	47.229	uq/L	98
65) 1,2-Dichlorobenzene	11.69	146	106687	47.191	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	15465	45.258	uq/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	71417	49.934	uq/L	99
68) 1,2,4-trichlorobenzene	13.31	180	53229	53.770	uq/L	99
69) Naphthalene	13.55	128	140071	50.253	uq/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	55522	53.241	uq/L	97

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

