

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031919\
 Data File : VV009774.D
 Acq On : 19 Mar 2019 10:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Quant Time: Mar 20 05:16:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 18 12:32:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	162727	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	158859	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73296	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43878	39.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.98%
7) Chloroethane-d5	1.57	69	36346	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.13	63	100180	42.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.76%
21) 2-Butanone-d5	3.93	46	62504	95.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.64%
24) Chloroform-d	4.40	84	90105	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.08	65	54220	44.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.64%
32) Benzene-d6	5.10	84	183012	44.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.18%
36) 1,2-Dichloropropane-d6	6.12	67	57039	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.26%
41) Toluene-d8	7.36	98	176571	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%
43) trans-1,3-Dichloropropene-	7.66	79	26983	45.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.30%
47) 2-Hexanone-d5	8.13	63	45522	88.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	83834	43.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.46%
64) 1,2-Dichlorobenzene-d4	11.67	152	67276	45.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	56168	46.599	ug/L 98
3) Chloromethane	1.25	50	49464	43.974	ug/L 96
5) Vinyl chloride	1.32	62	54936	45.478	ug/L 100
6) Bromomethane	1.51	94	32677	50.796	ug/L 98
8) Chloroethane	1.59	64	33502	45.624	ug/L 94
9) Trichlorofluoromethane	1.76	101	94656	46.800	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	52612	47.002	ug/L 98
12) 1,1-Dichloroethene	2.14	96	44901	46.283	ug/L 97
13) Acetone	2.19	43	65220	105.366	ug/L 98
14) Carbon disulfide	2.32	76	133592	47.223	ug/L 99
15) Methyl Acetate	2.46	43	44897	43.011	ug/L 96
16) Methylene chloride	2.53	84	51118	45.353	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	49575	47.713	ug/L 95
18) Methyl tert-butyl Ether	2.80	73	153009	46.592	ug/L 99
19) 1,1-Dichloroethane	3.23	63	84403	46.315	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	55302	46.486	ug/L 95
22) 2-Butanone	4.01	43	73832	94.514	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27854	46.263	ug/L	96
25) Chloroform	4.42	83	91779	45.677	ug/L	96
27) 1,2-Dichloroethane	5.18	62	67229	44.967	ug/L	99
29) Cyclohexane	4.72	56	77732	45.722	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	81875	47.358	ug/L	99
31) Carbon tetrachloride	4.87	117	70065	49.057	ug/L	97
33) Benzene	5.14	78	199370	45.981	ug/L	100
34) Trichloroethene	5.96	95	53127	47.008	ug/L	98
35) Methylcyclohexane	6.17	83	87776	47.193	ug/L	98
37) 1,2-Dichloropropane	6.22	63	51659	46.720	ug/L	98
38) Bromodichloromethane	6.55	83	69416	47.775	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	82715	48.971	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	128843	88.744	ug/L	99
42) Toluene	7.43	91	227859	47.155	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	74735	46.724	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	53161	46.480	ug/L	99
46) Tetrachloroethene	8.02	164	43438	46.043	ug/L	95
48) 2-Hexanone	8.18	43	99663	92.220	ug/L	97
49) Dibromochloromethane	8.29	129	59450	48.452	ug/L	97
50) 1,2-Dibromoethane	8.40	107	55043	46.155	ug/L	99
51) Chlorobenzene	8.93	112	152537	47.017	ug/L	97
52) Ethylbenzene	9.05	91	255739	46.663	ug/L	100
53) m,p-Xylene	9.18	106	99158	46.832	ug/L	100
54) o-Xylene	9.59	106	96728	45.430	ug/L	96
55) Styrene	9.60	104	159525	45.967	ug/L	95
56) Isopropylbenzene	9.97	105	252685	45.608	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	87940	44.245	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	63858	43.894	ug/L	98
61) Bromoform	9.77	173	40523	46.511	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	113680	47.276	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	113627	46.839	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	113876	46.413	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	15222	44.665	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	76750	50.187	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	57158	53.327	ug/L	98
69) Naphthalene	13.55	128	151482	49.389	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	58386	54.337	ug/L	98

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

