

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020820\
 Data File : VV014539.D
 Acq On : 07 Feb 2020 15:40
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050209

Quant Time: Feb 08 00:07:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 08 00:03:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	367111	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	341360	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	174824	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83726	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.12%
7) Chloroethane-d5	1.58	69	57665	42.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.06%
11) 1,1-Dichloroethene-d2	2.13	63	126814	41.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.88%
21) 2-Butanone-d5	3.92	46	135047	87.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.88%
24) Chloroform-d	4.40	84	214707	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.07	65	131538	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
32) Benzene-d6	5.09	84	441335	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
36) 1,2-Dichloropropane-d6	6.11	67	136100	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.92%
41) Toluene-d8	7.35	98	419059	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%
43) trans-1,3-Dichloropropene-	7.66	79	71199	45.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.62%
47) 2-Hexanone-d5	8.12	63	114051	92.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.49%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	175551	46.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.28%
66) 1,2-Dichlorobenzene-d4	11.67	152	157459	46.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	126480	43.009	ug/L 99
3) Chloromethane	1.26	50	114564	38.475	ug/L 99
5) Vinyl chloride	1.33	62	84443	37.026	ug/L 100
6) Bromomethane	1.53	94	39290	37.465	ug/L 99
8) Chloroethane	1.60	64	39940	35.244	ug/L 97
9) Trichlorofluoromethane	1.77	101	128458	41.814	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	57984	39.306	ug/L 99
12) 1,1-Dichloroethene	2.14	96	54607	38.702	ug/L 92
13) Acetone	2.18	43	84533	65.698	ug/L 100
14) Carbon disulfide	2.32	76	260964	38.093	ug/L 99
15) Methyl Acetate	2.45	43	89463	36.159	ug/L 97
16) Methylene chloride	2.53	84	108791	40.599	ug/L 95
17) trans-1,2-Dichloroethene	2.79	96	103079	41.465	ug/L 96
18) Methyl tert-butyl Ether	2.80	73	315235	40.044	ug/L 99
19) 1,1-Dichloroethane	3.23	63	178756	40.213	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	111618	39.900	ug/L 98
22) 2-Butanone	4.00	43	136464	71.710	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	54899	41.444	ug/L	93
25) Chloroform	4.42	83	188119	41.619	ug/L	99
27) 1,2-Dichloroethane	5.17	62	137553	40.842	ug/L	98
29) Cyclohexane	4.72	56	163602	38.980	ug/L	95
30) 1,1,1-Trichloroethane	4.65	97	163107	41.866	ug/L	98
31) Carbon tetrachloride	4.87	117	142890	41.574	ug/L	99
33) Benzene	5.14	78	409377	40.792	ug/L	100
34) Trichloroethene	5.96	95	108688	40.858	ug/L	97
35) Methylcyclohexane	6.17	83	178228	40.999	ug/L	97
37) 1,2-Dichloropropane	6.21	63	101820	39.832	ug/L	100
38) Bromodichloromethane	6.55	83	140003	40.810	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	171458	40.209	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	246500	74.621	ug/L	98
42) Toluene	7.42	91	441467	41.028	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	157397	41.167	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	99979	40.768	ug/L	99
46) Tetrachloroethene	8.01	164	84144	41.464	ug/L	95
48) 2-Hexanone	8.17	43	182799	71.883	ug/L	95
49) Dibromochloromethane	8.28	129	116117	41.938	ug/L	98
50) 1,2-Dibromoethane	8.39	107	108900	41.000	ug/L	97
51) Chlorobenzene	8.92	112	290868	41.384	ug/L	97
52) Ethylbenzene	9.05	91	497909	41.263	ug/L	99
53) m,p-Xylene	9.17	106	191181	41.131	ug/L	99
54) o-Xylene	9.58	106	187087	42.053	ug/L	96
55) Styrene	9.60	104	317408	41.745	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	157043	40.858	ug/L	99
59) Bromoform	9.77	173	77624	39.809	ug/L	98
60) Isopropylbenzene	9.97	105	487656	41.248	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	121915	39.377	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	419322	41.430	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	416012	41.693	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	231000	41.423	ug/L	100
65) 1,4-Dichlorobenzene	11.31	146	233620	40.694	ug/L	100
67) 1,2-Dichlorobenzene	11.68	146	221701	41.004	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	33381	38.499	ug/L	99
69) 1,3,5-Trichlorobenzene	12.68	180	162276	41.305	ug/L	98
70) 1,2,4-trichlorobenzene	13.30	180	150644	41.764	ug/L	100
71) Naphthalene	13.54	128	471696	39.811	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	142816	40.751	ug/L	99

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

