

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020320\
 Data File : VV014491.D
 Acq On : 03 Feb 2020 19:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Feb 04 05:35:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 04 05:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	410640	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	383040	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	188162	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90070	39.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	65978	46.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.06%
11) 1,1-Dichloroethene-d2	2.13	63	147437	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.86%
21) 2-Butanone-d5	3.92	46	176789	115.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.21%
24) Chloroform-d	4.40	84	238908	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.08	65	146132	50.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.52%
32) Benzene-d6	5.10	84	482038	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
36) 1,2-Dichloropropane-d6	6.11	67	153688	48.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.32%
41) Toluene-d8	7.36	98	453882	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	7.66	79	80351	49.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.08%
47) 2-Hexanone-d5	8.13	63	140266	112.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.35%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	206429	50.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.42%
64) 1,2-Dichlorobenzene-d4	11.67	152	166534	48.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	171429	49.934	ug/L	99
3) Chloromethane	1.26	50	193271	53.920	ug/L	100
5) Vinyl chloride	1.33	62	133860	46.474	ug/L	99
6) Bromomethane	1.53	94	45853	47.779	ug/L	98
8) Chloroethane	1.60	64	65608	51.874	ug/L	98
9) Trichlorofluoromethane	1.77	101	176093	53.098	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83622	53.783	ug/L	99
12) 1,1-Dichloroethene	2.14	96	79902	51.150	ug/L	95
13) Acetone	2.19	43	105889	80.872	ug/L	97
14) Carbon disulfide	2.32	76	390550	50.905	ug/L	99
15) Methyl Acetate	2.45	43	150051	59.469	ug/L	99
16) Methylene chloride	2.54	84	153361	50.988	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	141428	52.198	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	451526	54.178	ug/L	99
19) 1,1-Dichloroethane	3.23	63	259143	52.415	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	157311	52.058	ug/L	99
22) 2-Butanone	4.01	43	200765	106.412	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	74613	52.669	ug/L	93
25) Chloroform	4.42	83	256893	51.585	ug/L	99
27) 1,2-Dichloroethane	5.18	62	194862	55.036	ug/L	98
29) Cyclohexane	4.72	56	245142	52.386	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	222439	54.192	ug/L	99
31) Carbon tetrachloride	4.87	117	191820	53.560	ug/L	99
33) Benzene	5.14	78	584897	51.751	ug/L	100
34) Trichloroethene	5.96	95	147109	51.534	ug/L	96
35) Methylcyclohexane	6.17	83	246107	51.886	ug/L	99
37) 1,2-Dichloropropane	6.22	63	149688	52.998	ug/L	100
38) Bromodichloromethane	6.55	83	194960	51.554	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	248378	53.480	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	401700	117.641	ug/L	99
42) Toluene	7.43	91	617798	52.217	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	217915	52.834	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	138562	51.923	ug/L	98
46) Tetrachloroethene	8.02	164	110018	52.699	ug/L	97
48) 2-Hexanone	8.18	43	299106	111.981	ug/L	96
49) Dibromochloromethane	8.29	129	155397	52.927	ug/L	99
50) 1,2-Dibromoethane	8.39	107	150725	53.048	ug/L #	99
51) Chlorobenzene	8.92	112	395498	52.255	ug/L	99
52) Ethylbenzene	9.05	91	691129	52.047	ug/L	100
53) m,p-Xylene	9.18	106	262491	52.938	ug/L	98
54) o-xylene	9.58	106	254940	51.889	ug/L	99
55) Styrene	9.60	104	437730	53.086	ug/L	100
56) Isopropylbenzene	9.97	105	664256	52.876	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	225743	52.952	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	178575	53.501	ug/L	100
61) Bromoform	9.77	173	104676	53.243	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	301351	52.072	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	304764	51.155	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	290819	50.841	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	50118	55.116	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	204451	52.440	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	191080	53.952	ug/L	99
69) Naphthalene	13.54	128	648856	57.851	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	187527	54.950	ug/L	98

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

