

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120419\
 Data File : VV013907.D
 Acq On : 04 Dec 2019 16:40
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050683

Quant Time: Dec 05 01:32:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 05 01:28:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	280433	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	251368	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	136133	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70497	45.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.98%
7) Chloroethane-d5	1.57	69	73928	67.94	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	135.88%#
11) 1,1-Dichloroethene-d2	2.13	63	159424	59.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	119.98%
21) 2-Butanone-d5	3.92	46	117395	105.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.11%
24) Chloroform-d	4.39	84	160534	41.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.48%
26) 1,2-Dichloroethane-d4	5.07	65	99500	40.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.54%
32) Benzene-d6	5.09	84	317519	43.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.78%
36) 1,2-Dichloropropane-d6	6.11	67	97609	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.16%
41) Toluene-d8	7.35	98	305222	43.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.52%
43) trans-1,3-Dichloropropene-	7.66	79	47065	39.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.02%
47) 2-Hexanone-d5	8.13	63	69278	79.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.61%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	123791	41.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.84%
66) 1,2-Dichlorobenzene-d4	11.67	152	125944	39.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.68%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	117355	59.248	ug/L 98
3) Chloromethane	1.25	50	113510	80.707	ug/L 98
5) Vinyl chloride	1.32	62	108155	79.669	ug/L 98
6) Bromomethane	1.51	94	69367	88.013	ug/L 100
8) Chloroethane	1.59	64	73684	103.638	ug/L 99
9) Trichlorofluoromethane	1.76	101	172960	78.360	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	99470	91.930	ug/L 96
12) 1,1-Dichloroethene	2.14	96	94281	92.535	ug/L 81
13) Acetone	2.18	43	155464	204.143	ug/L 96
14) Carbon disulfide	2.31	76	230134	66.840	ug/L 100
15) Methyl Acetate	2.45	43	97847	73.432	ug/L 94
16) Methylene chloride	2.53	84	96904	62.685	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	88707	61.658	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	276074	55.846	ug/L 97
19) 1,1-Dichloroethane	3.22	63	164928	62.863	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	100013	59.020	ug/L 92
22) 2-Butanone	4.00	43	158337	161.330	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	55341	59.390	ug/L	91
25) Chloroform	4.42	83	170580	57.358	ug/L	98
27) 1,2-Dichloroethane	5.17	62	129555	56.050	ug/L	97
29) Cyclohexane	4.72	56	148082	70.451	ug/L	96
30) 1,1,1-Trichloroethane	4.65	97	146895	55.013	ug/L	97
31) Carbon tetrachloride	4.87	117	134468	54.283	ug/L	98
33) Benzene	5.14	78	378559	65.423	ug/L	100
34) Trichloroethene	5.96	95	101414	63.057	ug/L	95
35) Methylcyclohexane	6.17	83	156794	65.500	ug/L	96
37) 1,2-Dichloropropane	6.22	63	94929	67.261	ug/L	99
38) Bromodichloromethane	6.55	83	127469	57.411	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	149810	60.206	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	256620	141.273	ug/L	97
42) Toluene	7.43	91	407061	63.311	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	130056	55.369	ug/L	99
45) 1,1,2-Trichloroethane	7.87	97	89533	58.850	ug/L	97
46) Tetrachloroethene	8.01	164	86842	57.953	ug/L	95
48) 2-Hexanone	8.18	43	196861	143.749	ug/L	99
49) Dibromochloromethane	8.28	129	104085	52.721	ug/L	99
50) 1,2-Dibromoethane	8.39	107	96207	57.179	ug/L	100
51) Chlorobenzene	8.92	112	251208	57.951	ug/L	99
52) Ethylbenzene	9.05	91	414331	57.433	ug/L	100
53) m,p-Xylene	9.18	106	162915	58.539	ug/L	91
54) o-Xylene	9.58	106	156216	56.567	ug/L	99
55) Styrene	9.60	104	271155	58.286	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.28	83	129314	55.272	ug/L	99
59) Bromoform	9.77	173	83166	52.082	ug/L #	97
60) Isopropylbenzene	9.97	105	415578	55.765	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	113972	61.655	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	361265	56.075	ug/L	97
63) 1,2,4-Trimethylbenzene	10.95	105	351032	55.206	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	208696	55.502	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	209033	54.998	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	210609	54.896	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	28239	46.352	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	157879	51.795	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	122403	46.314	ug/L	99
71) Naphthalene	13.55	128	265140	39.582	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	133919	50.352	ug/L	99

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

