

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082219\
 Data File : VV012357.D
 Acq On : 22 Aug 2019 19:09
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Aug 23 07:01:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 06:55:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	196346	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	189406	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	104615	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36974	39.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.54%
7) Chloroethane-d5	1.58	69	28593	42.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.13	63	80221	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.68%
21) 2-Butanone-d5	3.92	46	77286	106.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.66%
24) Chloroform-d	4.40	84	133200	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
26) 1,2-Dichloroethane-d4	5.08	65	93337	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.44%
32) Benzene-d6	5.10	84	240767	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
36) 1,2-Dichloropropane-d6	6.12	67	64586	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.56%
41) Toluene-d8	7.36	98	236913	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%
43) trans-1,3-Dichloropropene-	7.66	79	38193	45.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.80%
47) 2-Hexanone-d5	8.13	63	58116	103.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.09%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	98985	50.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.76%
64) 1,2-Dichlorobenzene-d4	11.67	152	111237	48.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	89402	53.154	ug/L 100
3) Chloromethane	1.25	50	47557	49.605	ug/L 99
5) Vinyl chloride	1.32	62	56142	59.203	ug/L 99
6) Bromomethane	1.52	94	26120	52.834	ug/L 90
8) Chloroethane	1.60	64	25385	47.315	ug/L 97
9) Trichlorofluoromethane	1.77	101	103897	54.460	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	42486	49.147	ug/L 97
12) 1,1-Dichloroethene	2.14	96	39248	49.695	ug/L 89
13) Acetone	2.18	43	44290	81.451	ug/L 100
14) Carbon disulfide	2.32	76	148140	49.817	ug/L 100
15) Methyl Acetate	2.45	43	53471	52.406	ug/L 100
16) Methylene chloride	2.53	84	62610	52.032	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	64069	53.607	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	204524	51.655	ug/L 99
19) 1,1-Dichloroethane	3.23	63	107515	53.573	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	95270	71.633	ug/L 95
22) 2-Butanone	4.01	43	78067	100.049	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	39691	53.937	ug/L	99
25) Chloroform	4.42	83	131132	52.927	ug/L	95
27) 1,2-Dichloroethane	5.18	62	113468	56.343	ug/L	100
29) Cyclohexane	4.73	56	86986	50.445	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	129660	53.179	ug/L	98
31) Carbon tetrachloride	4.87	117	126373	55.175	ug/L	98
33) Benzene	5.14	78	256060	53.634	ug/L	100
34) Trichloroethene	5.96	95	72334	51.728	ug/L	97
35) Methylcyclohexane	6.18	83	105065	49.691	ug/L	99
37) 1,2-Dichloropropane	6.22	63	55298	51.093	ug/L	98
38) Bromodichloromethane	6.55	83	103172	54.462	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	106463	52.989	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	156655	107.651	ug/L	99
42) Toluene	7.43	91	289315	53.722	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	100752	52.615	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	67666	54.082	ug/L	94
46) Tetrachloroethene	8.02	164	68674	51.322	ug/L	96
48) 2-Hexanone	8.18	43	120736	109.898	ug/L	98
49) Dibromochloromethane	8.29	129	89974	53.178	ug/L	100
50) 1,2-Dibromoethane	8.40	107	74833	53.892	ug/L	99
51) Chlorobenzene	8.92	112	197907	53.085	ug/L	98
52) Ethylbenzene	9.05	91	329985	53.017	ug/L	100
53) m,p-Xylene	9.18	106	127193	52.655	ug/L	100
54) o-xylene	9.59	106	126325	53.279	ug/L	99
55) Styrene	9.60	104	217094	54.678	ug/L	99
56) Isopropylbenzene	9.97	105	339687	52.881	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	97055	53.383	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	84049	54.498	ug/L	99
61) Bromoform	9.77	173	71558	51.813	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	171333	52.603	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	172055	52.347	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	173385	52.606	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	26674	55.630	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	134335	52.032	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	106667	52.804	ug/L	99
69) Naphthalene	13.55	128	270484	49.843	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	112134	54.217	ug/L	100

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

