

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012111.D
 Acq On : 06 Aug 2019 13:20
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV621

Quant Time: Aug 06 18:17:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 18:14:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	311050	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	287548	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	156492	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74930	44.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.14%
7) Chloroethane-d5	1.57	69	53470	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.13	63	138950	47.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.28%
21) 2-Butanone-d5	3.92	46	119382	96.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.36%
24) Chloroform-d	4.40	84	199866	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
26) 1,2-Dichloroethane-d4	5.08	65	126229	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
32) Benzene-d6	5.10	84	382007	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
36) 1,2-Dichloropropane-d6	6.12	67	110182	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.94%
41) Toluene-d8	7.36	98	377510	47.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.64%
43) trans-1,3-Dichloropropene-	7.66	79	65258	47.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.76%
47) 2-Hexanone-d5	8.13	63	95206	95.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.64%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	155549	46.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.08%
66) 1,2-Dichlorobenzene-d4	11.67	152	167517	45.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	121217	55.174	ug/L 98
3) Chloromethane	1.25	50	84393	54.098	ug/L 97
5) Vinyl chloride	1.32	62	78828	52.351	ug/L 98
6) Bromomethane	1.52	94	48670	55.675	ug/L 95
8) Chloroethane	1.59	64	40258	51.050	ug/L 99
9) Trichlorofluoromethane	1.77	101	132351	54.060	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	66021	55.011	ug/L 100
12) 1,1-Dichloroethene	2.14	96	64731	57.278	ug/L 92
13) Acetone	2.18	43	94782	112.209	ug/L 98
14) Carbon disulfide	2.32	76	235687	61.715	ug/L 100
15) Methyl Acetate	2.45	43	77592	52.500	ug/L 98
16) Methylene chloride	2.53	84	91764	53.517	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	89716	56.222	ug/L 98
18) Methyl tert-butyl Ether	2.80	73	290625	53.002	ug/L 100
19) 1,1-Dichloroethane	3.23	63	156293	53.708	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	102562	54.567	ug/L 97
22) 2-Butanone	4.00	43	124700	114.551	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	56100	54.279	ug/L	99
25) Chloroform	4.42	83	175047	53.067	ug/L	100
27) 1,2-Dichloroethane	5.18	62	138716	54.106	ug/L	98
29) Cyclohexane	4.72	56	137574	57.216	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	168140	55.046	ug/L	99
31) Carbon tetrachloride	4.87	117	156102	55.088	ug/L	100
33) Benzene	5.14	78	356477	53.855	ug/L	100
34) Trichloroethene	5.96	95	101359	55.093	ug/L	97
35) Methylcyclohexane	6.17	83	158834	58.003	ug/L	98
37) 1,2-Dichloropropane	6.22	63	86773	53.746	ug/L	99
38) Bromodichloromethane	6.55	83	134588	52.990	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	157478	55.324	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	219363	105.568	ug/L	100
42) Toluene	7.43	91	407006	55.338	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	149889	55.784	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	91971	52.846	ug/L	99
46) Tetrachloroethene	8.02	164	97175	56.689	ug/L	97
48) 2-Hexanone	8.18	43	173489	110.743	ug/L	99
49) Dibromochloromethane	8.29	129	122222	54.119	ug/L	99
50) 1,2-Dibromoethane	8.39	107	102874	53.449	ug/L	99
51) Chlorobenzene	8.92	112	275878	55.634	ug/L	98
52) Ethylbenzene	9.05	91	461820	55.961	ug/L	100
53) m,p-Xylene	9.18	106	176549	55.456	ug/L	97
54) o-Xylene	9.59	106	177941	56.327	ug/L	99
55) Styrene	9.60	104	299765	56.329	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	139495	52.122	ug/L	97
59) Bromoform	9.78	173	97427	53.075	ug/L	98
60) Isopropylbenzene	9.97	105	477410	55.728	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	112951	53.153	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	445640	60.173	ug/L	100
63) 1,2,4-Trimethylbenzene	10.96	105	448372	61.341	ug/L	100
64) 1,3-Dichlorobenzene	11.23	146	238542	55.186	ug/L	99
65) 1,4-Dichlorobenzene	11.32	146	237597	54.381	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	239244	54.247	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	35133	50.166	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	192304	54.882	ug/L	100
70) 1,2,4-trichlorobenzene	13.31	180	169618	55.829	ug/L	99
71) Naphthalene	13.55	128	451264	58.604	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	172631	56.464	ug/L	98

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

