

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121819\
 Data File : VV014125.D
 Acq On : 18 Dec 2019 17:29
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Manual Integrations
 APPROVED

apatel
 12/19/2019 2:51:28 PM

Quant Time: Dec 19 08:29:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 19 07:06:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	753523	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	719674	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	385758	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	201304	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.38%
7) Chloroethane-d5	1.58	69	196417	43.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.36%
11) 1,1-Dichloroethene-d2	2.13	63	391310	40.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.22%
21) 2-Butanone-d5	3.92	46	343401	111.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.95%
24) Chloroform-d	4.40	84	445652	48.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.38%
26) 1,2-Dichloroethane-d4	5.08	65	279191	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
32) Benzene-d6	5.10	84	864914	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
36) 1,2-Dichloropropane-d6	6.11	67	266460	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.35	98	771370	45.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.74%
43) trans-1,3-Dichloropropene-	7.66	79	121884	44.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.50%
47) 2-Hexanone-d5	8.13	63	250361	119.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.78%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	392775	48.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.92%
64) 1,2-Dichlorobenzene-d4	11.67	152	329214	43.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	282917	42.167 ug/L	99
3) Chloromethane	1.25	50	357468	58.277 ug/L	98
5) Vinyl chloride	1.32	62	291088	45.501 ug/L	96
6) Bromomethane	1.53	94	133850	34.605 ug/L	99
8) Chloroethane	1.60	64	178990	42.049 ug/L	99
9) Trichlorofluoromethane	1.77	101	392700	39.467 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	223859	39.501 ug/L	97
12) 1,1-Dichloroethene	2.14	96	211453	38.628 ug/L	96
13) Acetone	2.18	43	307057	68.309 ug/L	99
14) Carbon disulfide	2.32	76	574497	39.796 ug/L	99
15) Methyl Acetate	2.45	43	301398	54.405 ug/L	98
16) Methylene chloride	2.53	84	276504	48.505 ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	233415	43.593 ug/L	97
18) Methyl tert-butyl Ether	2.80	73	779722	50.180 ug/L	98
19) 1,1-Dichloroethane	3.23	63	469667	48.686 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	268987m	46.389 ug/L	
22) 2-Butanone	4.00	43	426765	98.912 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	146997	45.885	ug/L	95
25) Chloroform	4.42	83	476256	46.180	ug/L	100
27) 1,2-Dichloroethane	5.17	62	378676	50.957	ug/L	98
29) Cyclohexane	4.72	56	381545	45.378	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	392510	45.178	ug/L	97
31) Carbon tetrachloride	4.87	117	352214	45.383	ug/L	98
33) Benzene	5.14	78	1028203	47.975	ug/L	100
34) Trichloroethene	5.95	95	247387	43.037	ug/L	99
35) Methylcyclohexane	6.17	83	369953	42.895	ug/L	97
37) 1,2-Dichloropropane	6.22	63	256348	49.420	ug/L	100
38) Bromodichloromethane	6.55	83	357576	48.609	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	387655	47.472	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	776121	115.065	ug/L	98
42) Toluene	7.43	91	1044191	47.221	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	358949	48.542	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	262728	51.027	ug/L	96
46) Tetrachloroethene	8.02	164	218521	42.128	ug/L	95
48) 2-Hexanone	8.17	43	592861	109.877	ug/L	94
49) Dibromochloromethane	8.29	129	300488	47.743	ug/L	98
50) 1,2-Dibromoethane	8.39	107	272570	48.056	ug/L	98
51) Chlorobenzene	8.92	112	689525	45.197	ug/L	99
52) Ethylbenzene	9.05	91	1129946	46.352	ug/L	98
53) m,p-Xylene	9.18	106	428965	45.505	ug/L	100
54) o-xylene	9.58	106	432316	46.904	ug/L	95
55) Styrene	9.60	104	759492	47.760	ug/L	96
56) Isopropylbenzene	9.97	105	1130392	45.626	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	437260	52.166	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	351837	50.123	ug/L	98
61) Bromoform	9.77	173	238080	50.453	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	567725	44.852	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	571683	43.688	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	580120	45.818	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	86113	48.938	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	433197	42.144	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	363222	39.162	ug/L	100
69) Naphthalene	13.55	128	988096	40.575	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	395031	40.728	ug/L	99

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

