

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121819\
 Data File : VW014453.D
 Acq On : 19 Dec 2019 01:31
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Dec 19 04:38:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 19 04:35:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1095298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	999589	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	480300	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	289155	17.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.72%
7) Chloroethane-d5	2.89	69	262878	21.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.28%
10) 1,1-Dichloroethene-d2	4.03	63	614071	20.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.84%
20) 2-Butanone-d5	7.07	46	237035	54.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.68%
24) Chloroform-d	7.65	84	705469	25.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	8.30	65	378067	25.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.44%
29) Benzene-d6	8.27	84	1401862	23.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.72%
33) 1,2-Dichloropropane-d6	9.27	67	446566	24.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.12%
37) Toluene-d8	10.32	98	1258960	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.08%
38) trans-1,3-Dichloropropene-	10.57	79	174851	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.92	63	189610	52.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	372832	25.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	444334	24.21	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	195395	18.757	ug/L 100
3) Chloromethane	2.21	50	231971	22.150	ug/L 98
5) Vinyl chloride	2.36	62	361026	23.283	ug/L 98
6) Bromomethane	2.78	94	219935	22.995	ug/L 99
8) Chloroethane	2.92	64	212783	24.019	ug/L 97
9) Trichlorofluoromethane	3.25	101	161064	20.982	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	337083	23.332	ug/L 93
12) 1,1-Dichloroethene	4.04	96	337764	23.093	ug/L 93
13) Acetone	4.12	43	147036	35.285	ug/L 98
14) Carbon disulfide	4.38	76	968695	21.594	ug/L 99
15) Methyl Acetate	4.66	43	190867	24.215	ug/L 96
16) Methylene chloride	4.92	84	394331	23.485	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	480051	24.888	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	365848	23.357	ug/L 90
19) 1,1-Dichloroethane	6.21	63	705160	25.057	ug/L 99
21) 2-Butanone	7.16	43	247959	44.321	ug/L 97
22) cis-1,2-Dichloroethene	7.16	96	406766	24.406	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	178816	23.324	uq/L	82
25) Chloroform	7.67	83	688069	25.161	uq/L	99
27) 1,2-Dichloroethane	8.40	62	447597	24.995	uq/L	95
30) Cyclohexane	7.95	56	598356	23.982	uq/L	96
31) 1,1,1-Trichloroethane	7.87	97	506254	25.218	uq/L	97
32) Carbon tetrachloride	8.07	117	465100	24.418	uq/L	100
34) Benzene	8.32	78	1578782	24.945	uq/L	100
35) Trichloroethene	9.09	95	385755	23.821	uq/L	95
36) Methylcyclohexane	9.34	83	628807	23.108	uq/L	96
40) 1,2-Dichloropropane	9.37	63	403976	24.845	uq/L	99
41) Bromodichloromethane	9.64	83	491368	24.866	uq/L	99
42) cis-1,3-Dichloropropene	10.07	75	587452	24.125	uq/L	97
43) 4-Methyl-2-pentanone	10.21	43	543311	50.672	uq/L	96
44) Toluene	10.38	91	1657064	24.973	uq/L	100
45) trans-1,3-Dichloropropene	10.60	75	473440	24.019	uq/L	100
46) 1,1,2-Trichloroethane	10.79	97	292381	23.996	uq/L	98
47) Tetrachloroethene	10.86	164	310238	22.985	uq/L	97
49) 2-Hexanone	10.96	43	377739	49.484	uq/L	97
50) Dibromochloromethane	11.13	129	328230	24.002	uq/L	100
51) 1,2-Dibromoethane	11.23	107	270672	23.453	uq/L	100
52) Chlorobenzene	11.65	112	1031938	24.063	uq/L	93
53) Ethylbenzene	11.73	91	1805255	25.073	uq/L	99
54) m,p-Xylene	11.83	106	686277	24.779	uq/L	99
55) o-xylene	12.16	106	656487	24.990	uq/L	99
56) Styrene	12.18	104	1141679	25.404	uq/L	98
57) Isopropylbenzene	12.46	105	1712519	25.110	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	355585	23.513	uq/L	98
59) 1,2,3-Trichloropropane	12.77	75	263370	23.437	uq/L	100
62) Bromoform	12.35	173	187995	23.062	uq/L	98
63) 1,3-Dichlorobenzene	13.50	146	776931	24.067	uq/L	98
64) 1,4-Dichlorobenzene	13.58	146	787991	24.025	uq/L	98
65) 1,2-Dichlorobenzene	13.87	146	723940	24.115	uq/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	55067	23.778	uq/L #	80
67) 1,3,5-Trichlorobenzene	14.63	180	558091	24.028	uq/L	99
68) 1,2,4-trichlorobenzene	15.13	180	432696	23.897	uq/L	99
69) Naphthalene	15.36	128	832108	24.438	uq/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	402554	23.708	uq/L	99

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

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