

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112219\
 Data File : VW014091.D
 Acq On : 22 Nov 2019 11:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Nov 22 22:56:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 21 17:05:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	318881	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	303381	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	183615	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	110417	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.80%
7) Chloroethane-d5	2.89	69	94331	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.48%
10) 1,1-Dichloroethene-d2	4.01	63	236929	22.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.76%
20) 2-Butanone-d5	7.07	46	72591	49.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.22%
24) Chloroform-d	7.64	84	242270	24.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	8.30	65	123753	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.40%
29) Benzene-d6	8.27	84	497919	23.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.52%
33) 1,2-Dichloropropane-d6	9.27	67	152438	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.72%
37) Toluene-d8	10.32	98	464339	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.00%
38) trans-1,3-Dichloropropene-	10.57	79	64996	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.28%
39) 2-Hexanone-d5	10.92	63	58259	48.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120077	25.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	168502	22.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	78364	20.664	ug/L	100
3) Chloromethane	2.21	50	66379	19.706	ug/L	98
5) Vinyl chloride	2.36	62	126699	24.089	ug/L	92
6) Bromomethane	2.78	94	77099	23.677	ug/L	99
8) Chloroethane	2.92	64	74999	23.973	ug/L	98
9) Trichlorofluoromethane	3.25	101	72081	20.098	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	129875	24.525	ug/L	99
12) 1,1-Dichloroethene	4.04	96	127977	23.774	ug/L	94
13) Acetone	4.12	43	61739	41.049	ug/L	99
14) Carbon disulfide	4.38	76	354990	23.170	ug/L	100
15) Methyl Acetate	4.67	43	58032	23.848	ug/L	99
16) Methylene chloride	4.92	84	134273	21.872	ug/L	93
17) Methyl tert-butyl Ether	5.42	73	163377	23.525	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	134052	23.880	ug/L	100
19) 1,1-Dichloroethane	6.21	63	236098	24.970	ug/L	99
21) 2-Butanone	7.16	43	85371	44.182	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	143352	24.267	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64436	24.850	ug/L	95
25) Chloroform	7.67	83	234330	25.236	ug/L	99
27) 1,2-Dichloroethane	8.40	62	147513	26.240	ug/L	100
30) Cyclohexane	7.95	56	224873	23.162	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	189922	24.980	ug/L	99
32) Carbon tetrachloride	8.06	117	179914	24.651	ug/L	100
34) Benzene	8.32	78	544418	24.465	ug/L	100
35) Trichloroethene	9.09	95	143056	24.100	ug/L	99
36) Methylcyclohexane	9.33	83	245751	23.090	ug/L	98
40) 1,2-Dichloropropane	9.37	63	133057	24.838	ug/L	100
41) Bromodichloromethane	9.64	83	167569	25.875	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	210087	24.851	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	164353	46.468	ug/L	100
44) Toluene	10.38	91	593616	24.467	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	166325	24.880	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	96699	24.567	ug/L	99
47) Tetrachloroethene	10.86	164	127569	24.111	ug/L	97
49) 2-Hexanone	10.96	43	118302	46.394	ug/L	97
50) Dibromochloromethane	11.13	129	119607	25.853	ug/L	97
51) 1,2-Dibromoethane	11.23	107	93608	24.512	ug/L	97
52) Chlorobenzene	11.65	112	375258	24.672	ug/L	96
53) Ethylbenzene	11.73	91	655505	24.621	ug/L	99
54) m,p-Xylene	11.83	106	253425	24.493	ug/L	98
55) o-xylene	12.16	106	241062	24.880	ug/L	100
56) Styrene	12.18	104	415257	25.371	ug/L	98
57) Isopropylbenzene	12.46	105	665694	24.989	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	115244	25.079	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	84593	24.476	ug/L	99
62) Bromoform	12.35	173	71653	23.812	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	307774	23.872	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	301270	23.651	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	276052	24.180	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	17200	22.122	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	241184	24.547	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	191087	24.734	ug/L	98
69) Naphthalene	15.36	128	320220	23.331	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	168101	24.655	ug/L	100

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

