

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112519\
 Data File : VW014104.D
 Acq On : 25 Nov 2019 10:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Nov 26 07:45:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 25 17:12:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	310460	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	299387	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	179670	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	117407	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
7) Chloroethane-d5	2.89	69	101502	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.12%
10) 1,1-Dichloroethene-d2	4.02	63	245987	24.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.80%
20) 2-Butanone-d5	7.07	46	83565	58.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.14%
24) Chloroform-d	7.64	84	261028	27.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.36%
26) 1,2-Dichloroethane-d4	8.30	65	135583	28.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.00%
29) Benzene-d6	8.27	84	536940	25.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.12%
33) 1,2-Dichloropropane-d6	9.27	67	159520	25.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.56%
37) Toluene-d8	10.32	98	496383	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	10.57	79	70493	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.80%
39) 2-Hexanone-d5	10.92	63	67768	57.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132589	28.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	183512	25.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	74469	20.169	ug/L	100
3) Chloromethane	2.21	50	63449	19.347	ug/L	96
5) Vinyl chloride	2.37	62	121617	23.750	ug/L	94
6) Bromomethane	2.78	94	76040	23.985	ug/L	98
8) Chloroethane	2.92	64	72202	23.705	ug/L	94
9) Trichlorofluoromethane	3.26	101	75071	21.500	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	124755	24.197	ug/L	99
12) 1,1-Dichloroethene	4.04	96	124117	23.682	ug/L	91
13) Acetone	4.11	43	67229	45.912	ug/L	100
14) Carbon disulfide	4.39	76	342630	22.970	ug/L	99
15) Methyl Acetate	4.67	43	60010	25.329	ug/L	99
16) Methylene chloride	4.91	84	138817	23.226	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	164046	24.263	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	131022	23.974	ug/L	97
19) 1,1-Dichloroethane	6.21	63	231016	25.095	ug/L	99
21) 2-Butanone	7.16	43	87990	46.772	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	139090	24.185	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65154	25.808	ug/L	92
25) Chloroform	7.67	83	228815	25.311	ug/L	100
27) 1,2-Dichloroethane	8.40	62	147962	27.034	ug/L	97
30) Cyclohexane	7.95	56	210756	21.997	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	180454	24.051	ug/L	98
32) Carbon tetrachloride	8.06	117	173217	24.050	ug/L	100
34) Benzene	8.32	78	528100	24.048	ug/L	100
35) Trichloroethene	9.09	95	137969	23.553	ug/L	99
36) Methylcyclohexane	9.33	83	229568	21.857	ug/L	98
40) 1,2-Dichloropropane	9.37	63	130000	24.592	ug/L	100
41) Bromodichloromethane	9.64	83	164625	25.759	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	205458	24.628	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	167090	47.872	ug/L	99
44) Toluene	10.38	91	574072	23.977	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	164154	24.883	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	97389	25.073	ug/L	98
47) Tetrachloroethene	10.86	164	122613	23.483	ug/L	98
49) 2-Hexanone	10.96	43	121932	48.455	ug/L	100
50) Dibromochloromethane	11.13	129	116169	25.445	ug/L	97
51) 1,2-Dibromoethane	11.23	107	91356	24.241	ug/L	97
52) Chlorobenzene	11.65	112	358058	23.855	ug/L	96
53) Ethylbenzene	11.73	91	632474	24.073	ug/L	98
54) m,p-Xylene	11.84	106	244793	23.975	ug/L	99
55) o-xylene	12.16	106	230014	24.057	ug/L	95
56) Styrene	12.18	104	401480	24.856	ug/L	98
57) Isopropylbenzene	12.46	105	623725	23.726	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	117396	25.888	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	85262	24.999	ug/L	100
62) Bromoform	12.35	173	72906	24.761	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	293128	23.235	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	292908	23.499	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	263779	23.612	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	17486	22.984	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	224884	23.390	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	176178	23.305	ug/L	98
69) Naphthalene	15.36	128	313867	23.370	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	161596	24.221	ug/L	99

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

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