

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120219\
 Data File : VW014208.D
 Acq On : 02 Dec 2019 17:13
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Quant Time: Dec 03 10:08:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 10:03:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	283616	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285937	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	180073	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74448	16.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.80%
7) Chloroethane-d5	2.89	69	69221	18.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.48%
10) 1,1-Dichloroethene-d2	4.03	63	179100	19.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.16%
20) 2-Butanone-d5	7.07	46	81233	61.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.58%
24) Chloroform-d	7.65	84	201687	23.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.52%
26) 1,2-Dichloroethane-d4	8.31	65	108595	24.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.08%
29) Benzene-d6	8.27	84	389305	19.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.76%
33) 1,2-Dichloropropane-d6	9.27	67	124039	20.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.48%
37) Toluene-d8	10.32	98	363880	18.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.64%
38) trans-1,3-Dichloropropene-	10.58	79	55061	21.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.52%
39) 2-Hexanone-d5	10.92	63	66351	58.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122524	27.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	144595	19.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	66073	19.589	ug/L	94
3) Chloromethane	2.21	50	63054	21.046	ug/L	97
5) Vinyl chloride	2.36	62	110211	23.560	ug/L	95
6) Bromomethane	2.78	94	70335	24.285	ug/L	98
8) Chloroethane	2.92	64	69650	25.031	ug/L	98
9) Trichlorofluoromethane	3.26	101	66955	20.990	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	119264	25.321	ug/L	97
12) 1,1-Dichloroethene	4.04	96	114956	24.010	ug/L	92
13) Acetone	4.12	43	74312	55.552	ug/L	99
14) Carbon disulfide	4.39	76	306788	22.513	ug/L	100
15) Methyl Acetate	4.67	43	69321	32.029	ug/L	98
16) Methylene chloride	4.92	84	131123	24.015	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	163322	26.442	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	122603	24.556	ug/L	99
19) 1,1-Dichloroethane	6.21	63	224047	26.641	ug/L	99
21) 2-Butanone	7.17	43	103514	60.232	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	136681	26.015	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65487	28.395	ug/L	93
25) Chloroform	7.67	83	226107	27.378	ug/L	99
27) 1,2-Dichloroethane	8.40	62	152288	30.457	ug/L	95
30) Cyclohexane	7.95	56	197895	21.626	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	173276	24.181	ug/L	98
32) Carbon tetrachloride	8.07	117	168606	24.511	ug/L	99
34) Benzene	8.32	78	511776	24.401	ug/L	100
35) Trichloroethene	9.09	95	133790	23.914	ug/L	99
36) Methylcyclohexane	9.34	83	221267	22.058	ug/L	99
40) 1,2-Dichloropropane	9.37	63	130081	25.764	ug/L	100
41) Bromodichloromethane	9.64	83	166013	27.198	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	202841	25.458	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	198528	59.555	ug/L	100
44) Toluene	10.38	91	560890	24.528	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	167651	26.608	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	105954	28.561	ug/L	98
47) Tetrachloroethene	10.86	164	117701	23.603	ug/L	99
49) 2-Hexanone	10.96	43	146056	60.772	ug/L	97
50) Dibromochloromethane	11.13	129	122399	28.070	ug/L	98
51) 1,2-Dibromoethane	11.23	107	102332	28.431	ug/L	97
52) Chlorobenzene	11.65	112	362169	25.264	ug/L	96
53) Ethylbenzene	11.73	91	618549	24.650	ug/L	97
54) m,p-Xylene	11.84	106	240120	24.623	ug/L	99
55) o-xylene	12.16	106	232000	25.406	ug/L	97
56) Styrene	12.18	104	400857	25.985	ug/L	96
57) Isopropylbenzene	12.46	105	620402	24.710	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	132609	30.618	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	99634	30.587	ug/L	98
62) Bromoform	12.35	173	79356	26.891	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	298754	23.628	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	296424	23.728	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	277719	24.804	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21801	28.591	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	228582	23.722	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	184869	24.400	ug/L	99
69) Naphthalene	15.36	128	356858	26.511	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	170442	25.490	ug/L	99

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

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