

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110419\
 Data File : VW013909.D
 Acq On : 04 Nov 2019 09:46
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Nov 05 03:48:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 04 16:40:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	339723	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323153	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	191778	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118865	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.96%
7) Chloroethane-d5	2.89	69	100810	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.48%
10) 1,1-Dichloroethene-d2	4.02	63	249196	23.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.56%
20) 2-Butanone-d5	7.07	46	74889	39.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.74%
24) Chloroform-d	7.65	84	246831	23.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.24%
26) 1,2-Dichloroethane-d4	8.30	65	126871	22.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.08%
29) Benzene-d6	8.27	84	519414	23.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.96%
33) 1,2-Dichloropropane-d6	9.27	67	150939	23.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.12%
37) Toluene-d8	10.32	98	484748	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.40%
38) trans-1,3-Dichloropropene-	10.57	79	67334	22.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.00%
39) 2-Hexanone-d5	10.92	63	57856	38.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119676	20.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	171176	22.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	84295	23.085	ug/L	99
3) Chloromethane	2.21	50	90248	21.551	ug/L	99
5) Vinyl chloride	2.37	62	143713	24.027	ug/L	97
6) Bromomethane	2.78	94	92066	24.471	ug/L	98
8) Chloroethane	2.92	64	84168	24.788	ug/L	95
9) Trichlorofluoromethane	3.26	101	91959	30.181	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	136571	23.356	ug/L	98
12) 1,1-Dichloroethene	4.04	96	139978	23.875	ug/L	91
13) Acetone	4.11	43	68298	36.867	ug/L	98
14) Carbon disulfide	4.39	76	427200	25.494	ug/L	100
15) Methyl Acetate	4.66	43	65017	20.268	ug/L	99
16) Methylene chloride	4.92	84	141659	22.301	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	178215	24.028	ug/L #	88
18) trans-1,2-Dichloroethene	5.42	96	145567	23.823	ug/L	96
19) 1,1-Dichloroethane	6.21	63	251955	24.286	ug/L	97
21) 2-Butanone	7.17	43	93806	36.889	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	159080	24.757	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68087	22.535	ug/L	98
25) Chloroform	7.67	83	247000	23.681	ug/L	98
27) 1,2-Dichloroethane	8.40	62	156509	22.687	ug/L	99
30) Cyclohexane	7.95	56	245805	25.206	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	198744	25.115	ug/L	99
32) Carbon tetrachloride	8.06	117	191944	24.804	ug/L	99
34) Benzene	8.32	78	586812	25.012	ug/L	100
35) Trichloroethene	9.09	95	152205	24.611	ug/L	99
36) Methylcyclohexane	9.34	83	268902	24.772	ug/L	99
40) 1,2-Dichloropropane	9.37	63	139171	24.169	ug/L	99
41) Bromodichloromethane	9.64	83	175937	24.304	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	223057	24.580	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	180086	40.665	ug/L	99
44) Toluene	10.38	91	624266	24.762	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	180681	24.095	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	104763	22.784	ug/L	98
47) Tetrachloroethene	10.86	164	138961	24.406	ug/L	93
49) 2-Hexanone	10.96	43	126870	38.997	ug/L	98
50) Dibromochloromethane	11.13	129	126612	23.720	ug/L	96
51) 1,2-Dibromoethane	11.23	107	101529	22.336	ug/L	97
52) Chlorobenzene	11.66	112	391814	24.099	ug/L	98
53) Ethylbenzene	11.73	91	690010	24.588	ug/L	98
54) m,p-Xylene	11.84	106	265319	24.533	ug/L	93
55) o-xylene	12.16	106	250347	24.489	ug/L	98
56) Styrene	12.18	104	427919	24.258	ug/L	94
57) Isopropylbenzene	12.46	105	676262	24.533	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	121610	21.000	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	91148	20.964	ug/L	100
62) Bromoform	12.35	173	78742	22.583	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	314549	23.684	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	312220	23.452	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	281085	23.407	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	18601	19.336	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.63	180	242319	24.225	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	191965	23.705	ug/L	98
69) Naphthalene	15.36	128	341553	22.231	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	169363	22.695	ug/L	99

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

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