

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071919\
 Data File : VW011388.D
 Acq On : 19 Jul 2019 19:50
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Jul 20 00:51:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 20 00:46:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	294862	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	266783	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	129746	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104133	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.52%
7) Chloroethane-d5	2.89	69	83346	26.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.52%
10) 1,1-Dichloroethene-d2	4.02	63	244637	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.64%
20) 2-Butanone-d5	7.07	46	115985	65.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.80%
24) Chloroform-d	7.65	84	219665	27.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.72%
26) 1,2-Dichloroethane-d4	8.30	65	133480	26.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.28%
29) Benzene-d6	8.27	84	451278	27.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.84%
33) 1,2-Dichloropropane-d6	9.27	67	147741	27.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.44%
37) Toluene-d8	10.32	98	404287	27.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.40%
38) trans-1,3-Dichloropropene-	10.58	79	62072	27.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.12%
39) 2-Hexanone-d5	10.92	63	79330	64.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130459	29.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	133239	26.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	85697	23.630	ug/L	100
3) Chloromethane	2.21	50	97714	24.818	ug/L	98
5) Vinyl chloride	2.36	62	104901	20.413	ug/L	83
6) Bromomethane	2.78	94	48697	20.255	ug/L	99
8) Chloroethane	2.92	64	67325	25.920	ug/L	93
9) Trichlorofluoromethane	3.25	101	51877	29.484	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	101591	25.913	ug/L	98
12) 1,1-Dichloroethene	4.04	96	92338	23.830	ug/L	86
13) Acetone	4.12	43	90050	51.982	ug/L	99
14) Carbon disulfide	4.38	76	252489	22.779	ug/L	98
15) Methyl Acetate	4.67	43	88084	31.248	ug/L	98
16) Methylene chloride	4.92	84	105519	24.353	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	169570	28.218	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	96435	24.628	ug/L	98
19) 1,1-Dichloroethane	6.21	63	210898	26.531	ug/L	98
21) 2-Butanone	7.16	43	129650	57.975	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	108815	25.673	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	46060	25.899	ug/L	96
25) Chloroform	7.68	83	195365	25.946	ug/L	100
27) 1,2-Dichloroethane	8.40	62	147193	25.573	ug/L	100
30) Cyclohexane	7.95	56	201844	24.884	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	151396	27.342	ug/L	99
32) Carbon tetrachloride	8.07	117	133343	25.678	ug/L	99
34) Benzene	8.32	78	431213	25.862	ug/L	100
35) Trichloroethene	9.09	95	108010	25.670	ug/L	99
36) Methylcyclohexane	9.34	83	187759	24.797	ug/L	99
40) 1,2-Dichloropropane	9.37	63	121872	26.674	ug/L	99
41) Bromodichloromethane	9.64	83	144559	27.443	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	178767	26.518	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	252414	59.597	ug/L	100
44) Toluene	10.39	91	450657	26.113	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	148090	26.549	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	85789	27.115	ug/L	97
47) Tetrachloroethene	10.86	164	80365	25.272	ug/L	99
49) 2-Hexanone	10.97	43	183105	59.394	ug/L	99
50) Dibromochloromethane	11.13	129	93659	27.799	ug/L	96
51) 1,2-Dibromoethane	11.23	107	83357	27.285	ug/L	99
52) Chlorobenzene	11.66	112	271432	25.744	ug/L	100
53) Ethylbenzene	11.73	91	509020	26.003	ug/L	99
54) m,p-Xylene	11.84	106	184229	25.921	ug/L	91
55) o-xylene	12.16	106	176839	26.155	ug/L	99
56) Styrene	12.18	104	309312	26.668	ug/L	100
57) Isopropylbenzene	12.46	105	494419	26.789	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	121242	28.804	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	94162	29.131	ug/L	99
62) Bromoform	12.35	173	57228	29.595	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	207799	26.032	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	212690	26.028	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	198195	26.674	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23111	31.680	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	161980	26.782	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	136750	26.989	ug/L	100
69) Naphthalene	15.37	128	321224	30.271	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	129631	27.962	ug/L	100

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

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