

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101819\
 Data File : VW013624.D
 Acq On : 18 Oct 2019 17:58
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Oct 20 18:16:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 18 13:08:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	347923	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	335960	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	197659	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	100918	23.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.56%
7) Chloroethane-d5	2.89	69	89177	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
10) 1,1-Dichloroethene-d2	4.03	63	222752	23.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.52%
20) 2-Butanone-d5	7.07	46	74690	48.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.84%
24) Chloroform-d	7.65	84	225079	23.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	8.31	65	114915	22.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.28%
29) Benzene-d6	8.27	84	461686	22.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.48%
33) 1,2-Dichloropropane-d6	9.27	67	141693	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.00%
37) Toluene-d8	10.32	98	422956	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.88%
38) trans-1,3-Dichloropropene-	10.58	79	61989	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.16%
39) 2-Hexanone-d5	10.92	63	59547	51.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119219	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	158906	22.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	86532	22.112	ug/L 95
3) Chloromethane	2.21	50	100686	23.768	ug/L 100
5) Vinyl chloride	2.37	62	141205	26.673	ug/L 99
6) Bromomethane	2.78	94	92679	24.228	ug/L 98
8) Chloroethane	2.93	64	88591	24.763	ug/L 99
9) Trichlorofluoromethane	3.26	101	102658	28.771	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	142269	25.321	ug/L 99
12) 1,1-Dichloroethene	4.04	96	142106	25.700	ug/L 97
13) Acetone	4.12	43	73355	43.289	ug/L 100
14) Carbon disulfide	4.38	76	416678	26.336	ug/L 99
15) Methyl Acetate	4.67	43	70394	25.424	ug/L 100
16) Methylene chloride	4.92	84	149548	22.447	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	196739	25.715	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	154444	25.267	ug/L 97
19) 1,1-Dichloroethane	6.21	63	257565	24.894	ug/L 98
21) 2-Butanone	7.17	43	100527	46.724	ug/L 100
22) cis-1,2-Dichloroethene	7.16	96	164624	25.091	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	73750	24.869	ug/L	99
25) Chloroform	7.68	83	257511	24.777	ug/L	100
27) 1,2-Dichloroethane	8.40	62	162703	24.425	ug/L	96
30) Cyclohexane	7.96	56	259418	26.357	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	204317	26.075	ug/L	100
32) Carbon tetrachloride	8.07	117	201318	26.384	ug/L	100
34) Benzene	8.32	78	616259	25.565	ug/L	100
35) Trichloroethene	9.09	95	161046	26.039	ug/L	99
36) Methylcyclohexane	9.34	83	282280	25.895	ug/L	100
40) 1,2-Dichloropropane	9.37	63	147546	25.033	ug/L	99
41) Bromodichloromethane	9.65	83	183584	25.421	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	235655	25.324	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	199268	49.553	ug/L	100
44) Toluene	10.38	91	664838	25.671	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	188278	25.065	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	114085	25.098	ug/L	96
47) Tetrachloroethene	10.86	164	146448	25.868	ug/L	97
49) 2-Hexanone	10.97	43	140465	49.237	ug/L	97
50) Dibromochloromethane	11.13	129	134017	24.981	ug/L	98
51) 1,2-Dibromoethane	11.23	107	110367	24.968	ug/L	99
52) Chlorobenzene	11.66	112	416624	25.142	ug/L	98
53) Ethylbenzene	11.73	91	737321	25.767	ug/L	100
54) m,p-Xylene	11.84	106	284879	25.763	ug/L	99
55) o-xylene	12.16	106	268027	25.542	ug/L	99
56) Styrene	12.18	104	463188	25.803	ug/L	99
57) Isopropylbenzene	12.46	105	731684	25.995	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	134225	25.193	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	99259	24.983	ug/L	98
62) Bromoform	12.35	173	84399	24.915	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	337563	25.169	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	329123	24.420	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	299852	24.675	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	21056	25.209	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	250858	25.159	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	203023	23.984	ug/L	99
69) Naphthalene	15.36	128	389766	25.411	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	183772	24.243	ug/L	99

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

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