

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112719\
 Data File : VW014147.D
 Acq On : 27 Nov 2019 09:23
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Nov 28 07:21:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 27 18:29:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305652	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293030	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	176333	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	102212	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.84%
7) Chloroethane-d5	2.89	69	89033	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.08%
10) 1,1-Dichloroethene-d2	4.02	63	216674	21.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.60%
20) 2-Butanone-d5	7.07	46	61442	43.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.74%
24) Chloroform-d	7.65	84	231736	24.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	8.30	65	113275	23.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.88%
29) Benzene-d6	8.27	84	466533	22.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.76%
33) 1,2-Dichloropropane-d6	9.27	67	141425	23.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.88%
37) Toluene-d8	10.32	98	434103	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.08%
38) trans-1,3-Dichloropropene-	10.57	79	55985	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.84%
39) 2-Hexanone-d5	10.92	63	50086	43.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	105193	22.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	155511	21.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	71348	19.628	ug/L 97
3) Chloromethane	2.21	50	66992	20.749	ug/L 100
5) Vinyl chloride	2.36	62	121801	24.160	ug/L 93
6) Bromomethane	2.78	94	74761	23.952	ug/L 100
8) Chloroethane	2.92	64	71129	23.720	ug/L 96
9) Trichlorofluoromethane	3.26	101	86218	25.080	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	126696	24.960	ug/L 98
12) 1,1-Dichloroethene	4.04	96	120044	23.265	ug/L 99
13) Acetone	4.12	43	54808	38.018	ug/L 98
14) Carbon disulfide	4.38	76	332658	22.652	ug/L 99
15) Methyl Acetate	4.67	43	46967	20.136	ug/L 99
16) Methylene chloride	4.92	84	119568	20.320	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	144946	21.775	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	125188	23.266	ug/L 96
19) 1,1-Dichloroethane	6.21	63	223979	24.713	ug/L 99
21) 2-Butanone	7.16	43	68468	36.968	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	134587	23.770	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59206	23.821	ug/L	96
25) Chloroform	7.67	83	221820	24.923	ug/L	99
27) 1,2-Dichloroethane	8.40	62	130447	24.208	ug/L	100
30) Cyclohexane	7.95	56	209276	22.317	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	182001	24.784	ug/L	99
32) Carbon tetrachloride	8.07	117	173006	24.542	ug/L	100
34) Benzene	8.32	78	517918	24.096	ug/L	100
35) Trichloroethene	9.09	95	133790	23.335	ug/L	99
36) Methylcyclohexane	9.34	83	229093	22.285	ug/L	97
40) 1,2-Dichloropropane	9.37	63	125303	24.217	ug/L	99
41) Bromodichloromethane	9.64	83	153472	24.535	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	189758	23.240	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	135117	39.551	ug/L	98
44) Toluene	10.38	91	555936	23.723	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	149268	23.117	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	86883	22.853	ug/L	96
47) Tetrachloroethene	10.86	164	121489	23.773	ug/L	98
49) 2-Hexanone	10.97	43	98421	39.961	ug/L	99
50) Dibromochloromethane	11.13	129	107226	23.995	ug/L	93
51) 1,2-Dibromoethane	11.23	107	79205	21.473	ug/L	96
52) Chlorobenzene	11.65	112	345354	23.508	ug/L	96
53) Ethylbenzene	11.73	91	618714	24.060	ug/L	97
54) m,p-Xylene	11.83	106	240347	24.050	ug/L	98
55) o-xylene	12.16	106	224892	24.031	ug/L	98
56) Styrene	12.18	104	384162	24.300	ug/L	100
57) Isopropylbenzene	12.46	105	622125	24.178	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	98978	22.300	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	69777	20.903	ug/L	99
62) Bromoform	12.35	173	63297	21.904	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	283249	22.877	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	281386	23.002	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	255694	23.321	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	14645	19.614	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	224539	23.796	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	168954	22.772	ug/L	100
69) Naphthalene	15.36	128	258819	19.636	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	149428	22.821	ug/L	99

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

