

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112219\
 Data File : VW014102.D
 Acq On : 22 Nov 2019 18:28
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Quant Time: Nov 22 23:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 22 23:01:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	307428	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	301403	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	189576	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	94874	19.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.36%
7) Chloroethane-d5	2.89	69	82512	20.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.00%
10) 1,1-Dichloroethene-d2	4.03	63	212719	21.13	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.52%
20) 2-Butanone-d5	7.07	46	71804	50.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.78%
24) Chloroform-d	7.65	84	224797	23.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.12%
26) 1,2-Dichloroethane-d4	8.31	65	118042	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.36%
29) Benzene-d6	8.27	84	458221	21.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.72%
33) 1,2-Dichloropropane-d6	9.27	67	140468	22.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.68%
37) Toluene-d8	10.32	98	426300	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.08%
38) trans-1,3-Dichloropropene-	10.57	79	59406	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.56%
39) 2-Hexanone-d5	10.92	63	60739	51.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117834	24.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	163999	21.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	67056	18.341	ug/L	95
3) Chloromethane	2.21	50	63890	19.674	ug/L	97
5) Vinyl chloride	2.36	62	123592	24.374	ug/L	97
6) Bromomethane	2.78	94	77179	24.584	ug/L	100
8) Chloroethane	2.92	64	76167	25.253	ug/L	100
9) Trichlorofluoromethane	3.26	101	67080	19.401	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	134388	26.322	ug/L #	87
12) 1,1-Dichloroethene	4.04	96	129020	24.860	ug/L	99
13) Acetone	4.11	43	67540	46.579	ug/L	98
14) Carbon disulfide	4.39	76	353738	23.948	ug/L	100
15) Methyl Acetate	4.67	43	61513	26.220	ug/L #	77
16) Methylene chloride	4.92	84	138797	23.451	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	175974	26.283	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	137956	25.491	ug/L	98
19) 1,1-Dichloroethane	6.21	63	244534	26.825	ug/L	99
21) 2-Butanone	7.17	43	93410	50.143	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	150577	26.440	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69412	27.766	ug/L	93
25) Chloroform	7.67	83	246562	27.543	ug/L	98
27) 1,2-Dichloroethane	8.40	62	159243	29.382	ug/L	97
30) Cyclohexane	7.95	56	222552	23.073	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	191167	25.309	ug/L	98
32) Carbon tetrachloride	8.06	117	182829	25.215	ug/L	100
34) Benzene	8.32	78	564418	25.530	ug/L	100
35) Trichloroethene	9.09	95	149141	25.290	ug/L	98
36) Methylcyclohexane	9.33	83	252627	23.892	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141021	26.498	ug/L	100
41) Bromodichloromethane	9.64	83	176679	27.461	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	222408	26.482	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	187095	53.245	ug/L	99
44) Toluene	10.38	91	621084	25.767	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	180135	27.123	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	107363	27.456	ug/L	97
47) Tetrachloroethene	10.86	164	132088	25.129	ug/L	97
49) 2-Hexanone	10.97	43	139357	55.010	ug/L	98
50) Dibromochloromethane	11.13	129	127825	27.811	ug/L	99
51) 1,2-Dibromoethane	11.23	107	101926	26.865	ug/L	97
52) Chlorobenzene	11.65	112	391209	25.889	ug/L	96
53) Ethylbenzene	11.73	91	686357	25.949	ug/L	99
54) m,p-Xylene	11.83	106	267055	25.980	ug/L	98
55) o-xylene	12.16	106	252519	26.234	ug/L	99
56) Styrene	12.18	104	444053	27.308	ug/L	98
57) Isopropylbenzene	12.46	105	699161	26.417	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	128195	28.080	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	95464	27.803	ug/L	100
62) Bromoform	12.35	173	81256	26.155	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	328318	24.665	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	325511	24.750	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	297468	25.236	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	19854	24.732	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	260024	25.632	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	209305	26.240	ug/L	99
69) Naphthalene	15.36	128	363943	25.682	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	188026	26.710	ug/L	100

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

