

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121819\
 Data File : VW014423.D
 Acq On : 18 Dec 2019 10:27
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Dec 19 01:04:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 18 17:07:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1125268	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	997193	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	487120	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	341455	20.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.16%
7) Chloroethane-d5	2.89	69	302938	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.64%
10) 1,1-Dichloroethene-d2	4.02	63	699147	23.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.92%
20) 2-Butanone-d5	7.07	46	217612	49.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.02%
24) Chloroform-d	7.64	84	720830	25.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.64%
26) 1,2-Dichloroethane-d4	8.30	65	374920	24.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.84%
29) Benzene-d6	8.27	84	1459893	24.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.92%
33) 1,2-Dichloropropane-d6	9.27	67	453612	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.92%
37) Toluene-d8	10.32	98	1309096	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.08%
38) trans-1,3-Dichloropropene-	10.57	79	176498	23.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.60%
39) 2-Hexanone-d5	10.92	63	168066	47.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	353896	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	438030	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	240218	22.445	ug/L 99
3) Chloromethane	2.21	50	264897	24.621	ug/L 99
5) Vinyl chloride	2.36	62	409912	25.731	ug/L 94
6) Bromomethane	2.78	94	238084	24.229	ug/L 99
8) Chloroethane	2.92	64	236347	25.969	ug/L 97
9) Trichlorofluoromethane	3.25	101	239109	30.319	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	373386	25.157	ug/L 93
12) 1,1-Dichloroethene	4.04	96	361287	24.043	ug/L 86
13) Acetone	4.12	43	212804	49.707	ug/L 96
14) Carbon disulfide	4.38	76	1063225	23.070	ug/L 100
15) Methyl Acetate	4.67	43	176106	21.747	ug/L 97
16) Methylene chloride	4.92	84	389897	22.603	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	434686	21.936	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	378706	23.534	ug/L 94
19) 1,1-Dichloroethane	6.21	63	708130	24.493	ug/L 99
21) 2-Butanone	7.17	43	252992	44.016	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	405144	23.661	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	170418	21.637	ug/L #	76
25) Chloroform	7.67	83	680825	24.233	ug/L	100
27) 1,2-Dichloroethane	8.40	62	431340	23.446	ug/L	95
30) Cyclohexane	7.95	56	672733	27.028	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	541845	27.056	ug/L	97
32) Carbon tetrachloride	8.07	117	501440	26.389	ug/L	100
34) Benzene	8.32	78	1586455	25.126	ug/L	100
35) Trichloroethene	9.09	95	398369	24.659	ug/L	95
36) Methylcyclohexane	9.33	83	716812	26.405	ug/L	96
40) 1,2-Dichloropropane	9.37	63	396415	24.438	ug/L	100
41) Bromodichloromethane	9.64	83	469877	23.836	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	581200	23.925	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	470468	43.984	ug/L	97
44) Toluene	10.38	91	1666117	25.170	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	462974	23.544	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	272935	22.454	ug/L	97
47) Tetrachloroethene	10.86	164	329822	24.495	ug/L	97
49) 2-Hexanone	10.96	43	350818	46.068	ug/L	98
50) Dibromochloromethane	11.13	129	311065	22.802	ug/L	99
51) 1,2-Dibromoethane	11.23	107	251367	21.832	ug/L	99
52) Chlorobenzene	11.65	112	1016894	23.769	ug/L	93
53) Ethylbenzene	11.73	91	1846160	25.703	ug/L	98
54) m,p-Xylene	11.84	106	693978	25.117	ug/L	97
55) o-xylene	12.16	106	654145	24.961	ug/L	99
56) Styrene	12.18	104	1122526	25.037	ug/L	97
57) Isopropylbenzene	12.46	105	1773665	26.069	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	327929	21.736	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	243037	21.680	ug/L	100
62) Bromoform	12.35	173	174796	21.142	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	784593	23.964	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	774059	23.270	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	704661	23.144	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	48710	20.739	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.63	180	578985	24.579	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	440080	23.965	ug/L	99
69) Naphthalene	15.36	128	767625	22.228	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	396575	23.029	ug/L	98

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

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