

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011520\
 Data File : VW014645.D
 Acq On : 15 Jan 2020 10:16
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Jan 15 15:42:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 01:48:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1138413	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	991805	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	482196	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	380981	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.96%
7) Chloroethane-d5	2.89	69	319929	27.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.24%
10) 1,1-Dichloroethene-d2	4.02	63	754894	25.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.88%
20) 2-Butanone-d5	7.07	46	200693	52.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.10%
24) Chloroform-d	7.64	84	714576	27.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.12%
26) 1,2-Dichloroethane-d4	8.30	65	355240	26.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.56%
29) Benzene-d6	8.27	84	1528965	28.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.96%
33) 1,2-Dichloropropane-d6	9.27	67	457908	28.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.52%
37) Toluene-d8	10.32	98	1395210	29.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.72%
38) trans-1,3-Dichloropropene-	10.57	79	182782	27.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.64%
39) 2-Hexanone-d5	10.92	63	153595	56.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	329206	27.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	448717	28.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	231905	22.772 ug/L	99
3) Chloromethane	2.21	50	251295	21.826 ug/L	99
5) Vinyl chloride	2.36	62	400576	24.452 ug/L	99
6) Bromomethane	2.78	94	232868	24.343 ug/L	100
8) Chloroethane	2.92	64	231959	25.321 ug/L	99
9) Trichlorofluoromethane	3.26	101	223919	25.842 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	361245	24.285 ug/L	99
12) 1,1-Dichloroethene	4.04	96	368731	25.314 ug/L	96
13) Acetone	4.12	43	225142	42.582 ug/L	100
14) Carbon disulfide	4.38	76	1076257	23.932 ug/L	98
15) Methyl Acetate	4.67	43	162345	22.755 ug/L	99
16) Methylene chloride	4.92	84	376816	20.299 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	463008	24.695 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	373511	24.342 ug/L	99
19) 1,1-Dichloroethane	6.21	63	668995	24.119 ug/L	100
21) 2-Butanone	7.16	43	248538	43.813 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	393912	24.389 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	166649	23.834	ug/L	97
25) Chloroform	7.67	83	634642	23.921	ug/L	100
27) 1,2-Dichloroethane	8.40	62	390371	22.666	ug/L	100
30) Cyclohexane	7.95	56	673211	26.535	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	510350	25.085	ug/L	99
32) Carbon tetrachloride	8.07	117	478263	25.231	ug/L	99
34) Benzene	8.32	78	1514924	25.382	ug/L	100
35) Trichloroethene	9.09	95	388359	25.212	ug/L	100
36) Methylcyclohexane	9.33	83	709993	26.272	ug/L	99
40) 1,2-Dichloropropane	9.37	63	368365	24.384	ug/L	100
41) Bromodichloromethane	9.64	83	439609	24.193	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	564619	25.020	ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	448022	46.198	ug/L	99
44) Toluene	10.38	91	1598495	25.628	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	436952	24.216	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	256142	23.938	ug/L	99
47) Tetrachloroethene	10.86	164	323520	25.012	ug/L	96
49) 2-Hexanone	10.96	43	336868	50.869	ug/L	99
50) Dibromochloromethane	11.13	129	294067	24.203	ug/L	97
51) 1,2-Dibromoethane	11.23	107	241807	23.940	ug/L	98
52) Chlorobenzene	11.65	112	974384	24.713	ug/L	99
53) Ethylbenzene	11.73	91	1752290	25.552	ug/L	100
54) m,p-Xylene	11.83	106	666675	25.689	ug/L	98
55) o-xylene	12.16	106	627014	25.579	ug/L	99
56) Styrene	12.18	104	1071101	25.961	ug/L	98
57) Isopropylbenzene	12.46	105	1716037	26.318	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	304422	23.432	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	222103	22.821	ug/L	100
62) Bromoform	12.35	173	169094	23.467	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	758221	24.837	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	750439	24.379	ug/L	99
65) 1,2-Dichlorobenzene	13.86	146	678419	24.790	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	46180	22.787	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	587153	25.963	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	456191	26.910	ug/L	100
69) Naphthalene	15.36	128	803041	27.439	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	404527	26.333	ug/L	99

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

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