

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122719\
 Data File : VW014480.D
 Acq On : 27 Dec 2019 21:39
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

Quant Time: Dec 28 03:19:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 27 20:56:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1133679	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1021907	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	485745	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	390918	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.84%
7) Chloroethane-d5	2.89	69	311237	26.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.72%
10) 1,1-Dichloroethene-d2	4.02	63	750159	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.64%
20) 2-Butanone-d5	7.07	46	235009	61.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.60%
24) Chloroform-d	7.64	84	729000	27.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	8.30	65	384350	28.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.60%
29) Benzene-d6	8.27	84	1531829	28.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.76%
33) 1,2-Dichloropropane-d6	9.27	67	473242	28.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.84%
37) Toluene-d8	10.32	98	1400132	28.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.68%
38) trans-1,3-Dichloropropene-	10.57	79	198253	29.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.52%
39) 2-Hexanone-d5	10.92	63	182275	65.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	370887	30.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.92%#
61) 1,2-Dichlorobenzene-d4	13.85	152	451765	28.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	255210	25.165	ug/L	96
3) Chloromethane	2.21	50	260348	22.707	ug/L	99
5) Vinyl chloride	2.36	62	403647	24.743	ug/L	99
6) Bromomethane	2.78	94	241194	25.319	ug/L	99
8) Chloroethane	2.92	64	232741	25.513	ug/L	100
9) Trichlorofluoromethane	3.25	101	199760	23.150	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	370431	25.007	ug/L	98
12) 1,1-Dichloroethene	4.04	96	370182	25.520	ug/L	86
13) Acetone	4.12	43	212293	40.320	ug/L	98
14) Carbon disulfide	4.39	76	1129905	25.229	ug/L	97
15) Methyl Acetate	4.67	43	202004	28.432	ug/L	100
16) Methylene chloride	4.91	84	418082	22.616	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	514271	27.544	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	389065	25.461	ug/L	97
19) 1,1-Dichloroethane	6.21	63	713450	25.829	ug/L	99
21) 2-Butanone	7.17	43	285194	50.485	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	422193	26.249	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	185904	26.699	ug/L	98
25) Chloroform	7.67	83	693153	26.236	ug/L	100
27) 1,2-Dichloroethane	8.40	62	452575	26.388	ug/L	99
30) Cyclohexane	7.95	56	688098	26.323	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	538070	25.668	ug/L	99
32) Carbon tetrachloride	8.07	117	500370	25.620	ug/L	99
34) Benzene	8.32	78	1628240	26.477	ug/L	100
35) Trichloroethene	9.09	95	405695	25.561	ug/L	99
36) Methylcyclohexane	9.33	83	731317	26.264	ug/L	99
40) 1,2-Dichloropropane	9.37	63	407740	26.196	ug/L	100
41) Bromodichloromethane	9.64	83	494113	26.391	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	626289	26.936	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	570128	57.058	ug/L	99
44) Toluene	10.38	91	1717671	26.728	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	506568	27.247	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	295917	26.840	ug/L	99
47) Tetrachloroethene	10.86	164	333961	25.059	ug/L	97
49) 2-Hexanone	10.96	43	381957	55.979	ug/L	99
50) Dibromochloromethane	11.13	129	337752	26.980	ug/L	94
51) 1,2-Dibromoethane	11.23	107	284557	27.342	ug/L	98
52) Chlorobenzene	11.65	112	1050381	25.856	ug/L	99
53) Ethylbenzene	11.73	91	1872152	26.495	ug/L	99
54) m,p-Xylene	11.84	106	705743	26.393	ug/L	97
55) o-xylene	12.16	106	673875	26.681	ug/L	98
56) Styrene	12.18	104	1158143	27.244	ug/L	98
57) Isopropylbenzene	12.46	105	1797959	26.762	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	368725	27.545	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	274801	27.404	ug/L	100
62) Bromoform	12.35	173	198068	27.287	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	808576	26.293	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	806706	26.015	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	743452	26.967	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	58893	28.848	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	607567	26.670	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	474078	27.761	ug/L	99
69) Naphthalene	15.36	128	928320	31.487	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	430644	27.828	ug/L	99

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

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