

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121619\
 Data File : VW014380.D
 Acq On : 16 Dec 2019 20:12
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Dec 17 07:32:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 17 07:27:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	990556	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	904021	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	442649	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	302893	20.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.76%
7) Chloroethane-d5	2.88	69	257315	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.28%
10) 1,1-Dichloroethene-d2	4.02	63	595061	22.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.84%
20) 2-Butanone-d5	7.07	46	285195	72.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	145.92%#
24) Chloroform-d	7.64	84	640667	25.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	8.30	65	349661	26.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.76%
29) Benzene-d6	8.27	84	1303064	24.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.36%
33) 1,2-Dichloropropane-d6	9.27	67	402046	24.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.64%
37) Toluene-d8	10.32	98	1175121	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.12%
38) trans-1,3-Dichloropropene-	10.57	79	166341	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.28%
39) 2-Hexanone-d5	10.92	63	225424	69.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.10%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	388453	29.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	408238	24.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	198800	21.101	ug/L 100
3) Chloromethane	2.21	50	198164	20.923	ug/L 98
5) Vinyl chloride	2.36	62	340859	24.307	ug/L 97
6) Bromomethane	2.78	94	197403	22.821	ug/L 98
8) Chloroethane	2.92	64	193364	24.135	ug/L 93
9) Trichlorofluoromethane	3.25	101	164114	23.640	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	324788	24.859	ug/L 93
12) 1,1-Dichloroethene	4.04	96	308294	23.307	ug/L 92
13) Acetone	4.11	43	244370	64.843	ug/L 99
14) Carbon disulfide	4.38	76	905841	22.328	ug/L 100
15) Methyl Acetate	4.67	43	211348	29.649	ug/L 99
16) Methylene chloride	4.91	84	342954	22.585	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	437450	25.078	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	325442	22.974	ug/L 93
19) 1,1-Dichloroethane	6.21	63	613623	24.110	ug/L 99
21) 2-Butanone	7.17	43	317423	62.736	ug/L 95
22) cis-1,2-Dichloroethene	7.17	96	350659	23.264	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	158796	22.903	ug/L	87
25) Chloroform	7.67	83	593216	23.986	ug/L	99
27) 1,2-Dichloroethane	8.40	62	407133	25.140	ug/L	96
30) Cyclohexane	7.95	56	563462	24.971	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	465759	25.654	ug/L	97
32) Carbon tetrachloride	8.07	117	427610	24.823	ug/L	100
34) Benzene	8.32	78	1385784	24.210	ug/L	100
35) Trichloroethene	9.09	95	346813	23.680	ug/L	95
36) Methylcyclohexane	9.33	83	611096	24.831	ug/L	95
40) 1,2-Dichloropropane	9.37	63	350058	23.805	ug/L	99
41) Bromodichloromethane	9.64	83	419589	23.479	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	515594	23.412	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	590521	60.897	ug/L	97
44) Toluene	10.38	91	1451128	24.181	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	429178	24.075	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	269412	24.449	ug/L	98
47) Tetrachloroethene	10.86	164	283796	23.249	ug/L	95
49) 2-Hexanone	10.96	43	436774	63.267	ug/L	98
50) Dibromochloromethane	11.13	129	293809	23.756	ug/L	96
51) 1,2-Dibromoethane	11.23	107	255866	24.513	ug/L	97
52) Chlorobenzene	11.65	112	886956	22.869	ug/L	93
53) Ethylbenzene	11.73	91	1581843	24.293	ug/L	99
54) m,p-Xylene	11.84	106	601665	24.020	ug/L	97
55) o-xylene	12.16	106	565785	23.814	ug/L	100
56) Styrene	12.18	104	980055	24.113	ug/L	97
57) Isopropylbenzene	12.46	105	1527958	24.772	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	358292	26.196	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	274047	26.965	ug/L	100
62) Bromoform	12.35	173	185901	24.745	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	671458	22.569	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	685046	22.663	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	635744	22.978	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	61206	28.677	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.63	180	492240	22.996	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	386115	23.138	ug/L	100
69) Naphthalene	15.36	128	818653	26.087	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	366697	23.433	ug/L	100

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

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