

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072619\
 Data File : VW011506.D
 Acq On : 25 Jul 2019 18:26
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Jul 26 01:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 01:06:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	387457	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	349025	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	168610	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	113113	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.48%
7) Chloroethane-d5	2.89	69	88112	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.52%
10) 1,1-Dichloroethene-d2	4.02	63	274531	23.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.72%
20) 2-Butanone-d5	7.07	46	108724	49.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.72%
24) Chloroform-d	7.65	84	243303	24.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.08%
26) 1,2-Dichloroethane-d4	8.31	65	145144	24.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.40%
29) Benzene-d6	8.27	84	483645	23.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.68%
33) 1,2-Dichloropropane-d6	9.27	67	163435	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.64%
37) Toluene-d8	10.32	98	428788	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.68%
38) trans-1,3-Dichloropropene-	10.58	79	69831	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.60%
39) 2-Hexanone-d5	10.93	63	74424	50.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134177	24.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	149878	23.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	128118	27.107	ug/L	97
3) Chloromethane	2.21	50	131330	22.901	ug/L	98
5) Vinyl chloride	2.36	62	172271	25.507	ug/L	99
6) Bromomethane	2.78	94	81667	25.047	ug/L	99
8) Chloroethane	2.92	64	90417	25.141	ug/L	94
9) Trichlorofluoromethane	3.26	101	74798	23.285	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	135278	26.241	ug/L	99
12) 1,1-Dichloroethene	4.04	96	130694	25.396	ug/L	89
13) Acetone	4.12	43	103135	44.258	ug/L	98
14) Carbon disulfide	4.38	76	418137	25.059	ug/L	100
15) Methyl Acetate	4.67	43	89720	25.075	ug/L	99
16) Methylene chloride	4.92	84	142093	25.193	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	212290	26.092	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	133532	25.161	ug/L	99
19) 1,1-Dichloroethane	6.21	63	270332	25.645	ug/L	97
21) 2-Butanone	7.17	43	137776	46.006	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	142192	25.292	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59381	25.272	ug/L	97
25) Chloroform	7.67	83	249197	25.662	ug/L	100
27) 1,2-Dichloroethane	8.40	62	181688	25.671	ug/L	100
30) Cyclohexane	7.95	56	283508	24.937	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	192165	24.733	ug/L	100
32) Carbon tetrachloride	8.07	117	181600	25.152	ug/L	100
34) Benzene	8.32	78	564301	24.907	ug/L	100
35) Trichloroethene	9.09	95	139933	24.300	ug/L	99
36) Methylcyclohexane	9.34	83	261885	25.010	ug/L	99
40) 1,2-Dichloropropane	9.37	63	153849	25.275	ug/L	100
41) Bromodichloromethane	9.65	83	179571	25.231	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	227338	24.859	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	256355	49.194	ug/L	100
44) Toluene	10.38	91	586083	25.220	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	185565	24.691	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	102230	25.090	ug/L	97
47) Tetrachloroethene	10.86	164	108785	24.624	ug/L	96
49) 2-Hexanone	10.97	43	196075	49.848	ug/L	98
50) Dibromochloromethane	11.13	129	114352	25.354	ug/L	98
51) 1,2-Dibromoethane	11.24	107	98712	25.051	ug/L	98
52) Chlorobenzene	11.66	112	348562	24.872	ug/L	99
53) Ethylbenzene	11.73	91	652212	24.937	ug/L	100
54) m,p-Xylene	11.84	106	239077	24.959	ug/L	99
55) o-xylene	12.16	106	227746	25.227	ug/L	98
56) Styrene	12.18	104	393848	25.933	ug/L	99
57) Isopropylbenzene	12.46	105	619522	25.193	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	132660	25.064	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100134	24.762	ug/L	100
62) Bromoform	12.35	173	66112	24.773	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	266856	24.994	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	267692	24.684	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	246474	25.088	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22112	23.613	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	203629	25.001	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	171421	25.395	ug/L	100
69) Naphthalene	15.37	128	350021	25.473	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	156085	25.524	ug/L	100

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

