

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071719\
 Data File : VW011328.D
 Acq On : 18 Jul 2019 01:53
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Jul 18 06:42:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 06:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	303319	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285720	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	142587	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	77984	16.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.36%
7) Chloroethane-d5	2.89	69	66821	20.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.24%
10) 1,1-Dichloroethene-d2	4.02	63	192515	19.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.52%
20) 2-Butanone-d5	7.07	46	122601	67.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.40%
24) Chloroform-d	7.65	84	206723	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	8.31	65	133687	26.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.44%
29) Benzene-d6	8.27	84	397611	22.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.36%
33) 1,2-Dichloropropane-d6	9.27	67	140573	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	10.32	98	352254	22.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.84%
38) trans-1,3-Dichloropropene-	10.58	79	58612	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.20%
39) 2-Hexanone-d5	10.92	63	85892	65.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138501	29.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	133834	24.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	78305	20.990	ug/L 99
3) Chloromethane	2.21	50	83592	20.639	ug/L 99
5) Vinyl chloride	2.36	62	96912	18.333	ug/L 99
6) Bromomethane	2.78	94	53257	21.534	ug/L 99
8) Chloroethane	2.92	64	58025	21.717	ug/L 97
9) Trichlorofluoromethane	3.25	101	33082	18.278	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	88986	22.065	ug/L 97
12) 1,1-Dichloroethene	4.04	96	84287	21.145	ug/L # 76
13) Acetone	4.12	43	81032	45.472	ug/L 98
14) Carbon disulfide	4.39	76	222023	19.472	ug/L 100
15) Methyl Acetate	4.67	43	88907	30.661	ug/L 99
16) Methylene chloride	4.92	84	111635	25.046	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	175075	28.322	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	90936	22.576	ug/L 96
19) 1,1-Dichloroethane	6.21	63	204439	25.001	ug/L 99
21) 2-Butanone	7.17	43	129026	56.087	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	110362	25.312	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	48490	26.505	ug/L	96
25) Chloroform	7.67	83	196358	25.351	ug/L	99
27) 1,2-Dichloroethane	8.40	62	156883	26.497	ug/L	99
30) Cyclohexane	7.95	56	170536	19.631	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	135763	22.894	ug/L	99
32) Carbon tetrachloride	8.07	117	122640	22.052	ug/L	100
34) Benzene	8.32	78	420819	23.566	ug/L	100
35) Trichloroethene	9.09	95	101433	22.509	ug/L	99
36) Methylcyclohexane	9.34	83	161898	19.964	ug/L	100
40) 1,2-Dichloropropane	9.37	63	123300	25.198	ug/L	99
41) Bromodichloromethane	9.64	83	146992	26.056	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	180077	24.942	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	269722	59.462	ug/L	99
44) Toluene	10.39	91	441014	23.860	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	154655	25.888	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	91205	26.916	ug/L	98
47) Tetrachloroethene	10.86	164	74411	21.849	ug/L	99
49) 2-Hexanone	10.97	43	193735	58.677	ug/L	100
50) Dibromochloromethane	11.13	129	100611	27.883	ug/L	99
51) 1,2-Dibromoethane	11.23	107	88045	26.909	ug/L	97
52) Chlorobenzene	11.66	112	278508	24.664	ug/L	99
53) Ethylbenzene	11.73	91	496137	23.665	ug/L	99
54) m,p-Xylene	11.84	106	179322	23.558	ug/L	94
55) o-xylene	12.16	106	176726	24.406	ug/L	100
56) Styrene	12.18	104	316197	25.455	ug/L	100
57) Isopropylbenzene	12.46	105	468548	23.704	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	128689	28.547	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100652	29.075	ug/L	99
62) Bromoform	12.35	173	60659	28.545	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	213858	24.378	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	218192	24.297	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	210905	25.828	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	23617	29.459	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	160981	24.220	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	141477	25.408	ug/L	98
69) Naphthalene	15.37	128	350785	30.080	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	138649	27.214	ug/L	100

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

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