

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040119\
 Data File : VW009645.D
 Acq On : 02 Apr 2019 01:11
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Quant Time: Apr 02 01:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 02 01:34:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	398590	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	390705	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	206714	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	78395	16.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.84%
7) Chloroethane-d5	2.89	69	95420	17.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.48%
10) 1,1-Dichloroethene-d2	4.03	63	217481	21.13	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.52%
20) 2-Butanone-d5	7.08	46	116996	59.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.78%
24) Chloroform-d	7.64	84	268692	24.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	8.30	65	165669	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.12%
29) Benzene-d6	8.27	84	459601	21.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.32%
33) 1,2-Dichloropropane-d6	9.27	67	154169	23.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.28%
37) Toluene-d8	10.32	98	418654	21.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.04%
38) trans-1,3-Dichloropropene-	10.58	79	69636	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.68%
39) 2-Hexanone-d5	10.93	63	91271	58.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	177363	27.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	174680	22.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	104624	19.925	ug/L 99
3) Chloromethane	2.21	50	112837	20.255	ug/L 97
5) Vinyl chloride	2.37	62	152335	26.567	ug/L 97
6) Bromomethane	2.78	94	115531	24.049	ug/L 98
8) Chloroethane	2.92	64	112574	23.730	ug/L 96
9) Trichlorofluoromethane	3.26	101	102724	22.680	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	132870	25.402	ug/L 92
12) 1,1-Dichloroethene	4.04	96	125464	25.562	ug/L 86
13) Acetone	4.12	43	76268	47.214	ug/L 98
14) Carbon disulfide	4.38	76	331214	25.073	ug/L 97
15) Methyl Acetate	4.67	43	92062	29.010	ug/L 99
16) Methylene chloride	4.91	84	149045	25.642	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	196944	28.358	ug/L 97
18) trans-1,2-Dichloroethene	5.42	96	128841	24.967	ug/L 96
19) 1,1-Dichloroethane	6.21	63	266669	28.341	ug/L 99
21) 2-Butanone	7.17	43	127225	57.040	ug/L 95
22) cis-1,2-Dichloroethene	7.16	96	152088	27.206	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	71020	26.488	ug/L	93
25) Chloroform	7.67	83	287501	29.177	ug/L	98
27) 1,2-Dichloroethane	8.40	62	221948	30.210	ug/L	97
30) Cyclohexane	7.95	56	209301	23.588	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	215238	27.583	ug/L	99
32) Carbon tetrachloride	8.07	117	208584	26.493	ug/L	99
34) Benzene	8.32	78	577499	27.005	ug/L	100
35) Trichloroethene	9.09	95	148129	25.995	ug/L	98
36) Methylcyclohexane	9.34	83	234902	23.827	ug/L	98
40) 1,2-Dichloropropane	9.37	63	153654	28.000	ug/L	99
41) Bromodichloromethane	9.64	83	213282	28.051	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	232021	25.960	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	283069	56.926	ug/L	99
44) Toluene	10.38	91	630078	26.948	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	207320	26.665	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	122458	27.972	ug/L	97
47) Tetrachloroethene	10.86	164	116981	24.296	ug/L	96
49) 2-Hexanone	10.97	43	204611	58.423	ug/L	99
50) Dibromochloromethane	11.13	129	148840	27.541	ug/L	94
51) 1,2-Dibromoethane	11.23	107	121399	27.353	ug/L	98
52) Chlorobenzene	11.66	112	401173	26.751	ug/L	97
53) Ethylbenzene	11.73	91	717690	27.302	ug/L	99
54) m,p-Xylene	11.84	106	266988	26.734	ug/L	94
55) o-xylene	12.16	106	260360	26.723	ug/L	99
56) Styrene	12.18	104	462695	27.834	ug/L	95
57) Isopropylbenzene	12.46	105	716247	27.443	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	171765	29.083	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	130119	29.686	ug/L	98
62) Bromoform	12.35	173	91442	26.181	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	305902	24.830	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	326554	25.638	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	305440	25.997	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	32378	28.119	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	226905	23.613	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	188097	23.303	ug/L	100
69) Naphthalene	15.37	128	439300	26.251	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	189850	25.112	ug/L	98

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

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