

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062419\
 Data File : VW010933.D
 Acq On : 24 Jun 2019 16:28
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Jun 25 02:21:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 24 11:05:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	402160	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364817	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181984	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	126538	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.08%
7) Chloroethane-d5	2.89	69	96204	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
10) 1,1-Dichloroethene-d2	4.03	63	297978	24.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.76%
20) 2-Butanone-d5	7.07	46	112168	45.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.64%
24) Chloroform-d	7.65	84	257678	23.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.04%
26) 1,2-Dichloroethane-d4	8.30	65	158792	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.48%
29) Benzene-d6	8.27	84	520738	23.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.12%
33) 1,2-Dichloropropane-d6	9.27	67	172159	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	10.32	98	474951	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	10.58	79	74543	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.08%
39) 2-Hexanone-d5	10.93	63	75038	46.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141391	23.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	160691	23.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	141346	25.004	ug/L 100
3) Chloromethane	2.21	50	142037	23.632	ug/L 98
5) Vinyl chloride	2.36	62	185157	25.766	ug/L 99
6) Bromomethane	2.78	94	86660	24.432	ug/L 100
8) Chloroethane	2.92	64	94962	24.952	ug/L 98
9) Trichlorofluoromethane	3.24	101	56797	23.404	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	139890	24.803	ug/L 99
12) 1,1-Dichloroethene	4.04	96	139477	24.777	ug/L 93
13) Acetone	4.12	43	110248	47.029	ug/L 99
14) Carbon disulfide	4.38	76	409571	24.574	ug/L 100
15) Methyl Acetate	4.67	43	96138	23.691	ug/L 100
16) Methylene chloride	4.92	84	148769	24.978	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	212764	24.140	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	138360	24.443	ug/L 97
19) 1,1-Dichloroethane	6.21	63	280681	24.277	ug/L 99
21) 2-Butanone	7.16	43	148239	48.083	ug/L 100
22) cis-1,2-Dichloroethene	7.16	96	149764	24.589	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61247	23.644	ug/L	98
25) Chloroform	7.67	83	259652	24.478	ug/L	100
27) 1,2-Dichloroethane	8.40	62	201970	24.298	ug/L	99
30) Cyclohexane	7.95	56	297658	24.674	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	196085	24.714	ug/L	100
32) Carbon tetrachloride	8.07	117	186461	24.880	ug/L	98
34) Benzene	8.32	78	590729	24.641	ug/L	100
35) Trichloroethene	9.09	95	148721	24.463	ug/L	100
36) Methylcyclohexane	9.34	83	275203	24.662	ug/L	100
40) 1,2-Dichloropropane	9.37	63	160789	24.368	ug/L	99
41) Bromodichloromethane	9.64	83	189754	24.505	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	250548	24.684	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	286560	46.799	ug/L	100
44) Toluene	10.39	91	616929	24.610	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	206038	24.555	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	108458	23.984	ug/L	99
47) Tetrachloroethene	10.86	164	112148	24.324	ug/L	97
49) 2-Hexanone	10.97	43	219772	50.449	ug/L	99
50) Dibromochloromethane	11.13	129	121047	24.310	ug/L	99
51) 1,2-Dibromoethane	11.24	107	104870	23.980	ug/L	100
52) Chlorobenzene	11.66	112	372281	24.679	ug/L	99
53) Ethylbenzene	11.73	91	704667	24.951	ug/L	99
54) m,p-Xylene	11.84	106	255367	24.918	ug/L	99
55) o-xylene	12.16	106	245736	24.988	ug/L	100
56) Styrene	12.18	104	423759	24.988	ug/L	99
57) Isopropylbenzene	12.46	105	673893	25.259	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	142973	24.180	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	110202	24.004	ug/L	99
62) Bromoform	12.35	173	68511	23.520	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	287252	24.245	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	293258	24.641	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	266213	24.294	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	25605	22.836	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	226660	25.134	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	197022	25.779	ug/L	100
69) Naphthalene	15.37	128	416248	25.522	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	178823	25.758	ug/L	99

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

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