

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072619\
 Data File : VW011488.D
 Acq On : 25 Jul 2019 09:22
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Jul 26 01:05:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 24 01:19:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	420465	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	371640	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180915	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	124736	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.88%
7) Chloroethane-d5	2.89	69	93280	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.24%
10) 1,1-Dichloroethene-d2	4.02	63	292688	23.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.08%
20) 2-Butanone-d5	7.07	46	131041	54.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.64%
24) Chloroform-d	7.65	84	255575	23.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.96%
26) 1,2-Dichloroethane-d4	8.31	65	152245	23.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.12%
29) Benzene-d6	8.27	84	516443	23.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.96%
33) 1,2-Dichloropropane-d6	9.27	67	169331	23.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.04%
37) Toluene-d8	10.32	98	462938	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.96%
38) trans-1,3-Dichloropropene-	10.58	79	75331	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.84%
39) 2-Hexanone-d5	10.92	63	90009	57.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149138	25.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	158210	23.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	139641	27.225	ug/L	100
3) Chloromethane	2.21	50	140948	22.649	ug/L	97
5) Vinyl chloride	2.36	62	187569	25.592	ug/L	99
6) Bromomethane	2.78	94	85770	24.240	ug/L	99
8) Chloroethane	2.92	64	96527	24.733	ug/L	99
9) Trichlorofluoromethane	3.25	101	90284	25.900	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	142062	25.394	ug/L	99
12) 1,1-Dichloroethene	4.04	96	142125	25.449	ug/L	94
13) Acetone	4.12	43	152056	60.129	ug/L	99
14) Carbon disulfide	4.39	76	444035	24.522	ug/L	99
15) Methyl Acetate	4.67	43	110023	28.335	ug/L	100
16) Methylene chloride	4.92	84	152341	24.890	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	234397	26.547	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	144389	25.071	ug/L	99
19) 1,1-Dichloroethane	6.21	63	285923	24.994	ug/L	97
21) 2-Butanone	7.17	43	184554	56.789	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	153109	25.096	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64079	25.131	ug/L	97
25) Chloroform	7.67	83	259495	24.625	ug/L	99
27) 1,2-Dichloroethane	8.40	62	193502	25.194	ug/L	99
30) Cyclohexane	7.95	56	307409	25.394	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	204615	24.733	ug/L	99
32) Carbon tetrachloride	8.06	117	192123	24.990	ug/L	99
34) Benzene	8.32	78	607930	25.199	ug/L	100
35) Trichloroethene	9.09	95	151163	24.653	ug/L	99
36) Methylcyclohexane	9.34	83	285726	25.627	ug/L	99
40) 1,2-Dichloropropane	9.37	63	160858	24.818	ug/L	100
41) Bromodichloromethane	9.64	83	186982	24.674	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	245508	25.213	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	308180	55.541	ug/L	99
44) Toluene	10.38	91	621369	25.111	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	201925	25.232	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	108941	25.110	ug/L	98
47) Tetrachloroethene	10.86	164	118502	25.191	ug/L	96
49) 2-Hexanone	10.97	43	253168	60.446	ug/L	99
50) Dibromochloromethane	11.13	129	122780	25.566	ug/L	97
51) 1,2-Dibromoethane	11.23	107	108125	25.770	ug/L	99
52) Chlorobenzene	11.66	112	369702	24.775	ug/L	99
53) Ethylbenzene	11.73	91	698324	25.075	ug/L	99
54) m,p-Xylene	11.83	106	255197	25.021	ug/L	99
55) o-xylene	12.16	106	241566	25.129	ug/L	99
56) Styrene	12.18	104	416783	25.773	ug/L	100
57) Isopropylbenzene	12.46	105	671407	25.642	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	149897	26.598	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	114112	26.501	ug/L	99
62) Bromoform	12.35	173	73312	25.602	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	285982	24.963	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	284987	24.492	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	259156	24.585	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	26484	26.358	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	220350	25.213	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	184411	25.461	ug/L	99
69) Naphthalene	15.37	128	394025	26.725	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	164034	24.999	ug/L	99

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

