

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
 Data File : VW011252.D
 Acq On : 15 Jul 2019 10:22
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02560

Quant Time: Jul 16 05:01:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 05:32:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	396068	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	352119	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	174590	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	133886	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.56%
7) Chloroethane-d5	2.89	69	96983	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.44%
10) 1,1-Dichloroethene-d2	4.01	63	299180	23.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.44%
20) 2-Butanone-d5	7.07	46	121049	50.81	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.62%
24) Chloroform-d	7.65	84	260091	23.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.84%
26) 1,2-Dichloroethane-d4	8.31	65	158889	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.08%
29) Benzene-d6	8.27	84	525902	24.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.96%
33) 1,2-Dichloropropane-d6	9.27	67	173233	24.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.08%
37) Toluene-d8	10.32	98	464171	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.04%
38) trans-1,3-Dichloropropene-	10.57	79	75026	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.92%
39) 2-Hexanone-d5	10.92	63	83082	51.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	146910	25.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	158237	23.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	122513	25.150	ug/L	96
3) Chloromethane	2.21	50	115670	21.872	ug/L	99
5) Vinyl chloride	2.36	62	166111	24.065	ug/L	96
6) Bromomethane	2.77	94	76613	23.724	ug/L	100
8) Chloroethane	2.92	64	86661	24.839	ug/L	99
9) Trichlorofluoromethane	3.25	101	66446	28.115	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	132725	25.204	ug/L	97
12) 1,1-Dichloroethene	4.04	96	128089	24.609	ug/L	82
13) Acetone	4.12	43	110671	47.561	ug/L	100
14) Carbon disulfide	4.38	76	368928	24.779	ug/L	100
15) Methyl Acetate	4.66	43	97686	25.799	ug/L	100
16) Methylene chloride	4.92	84	135900	23.350	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	214803	26.611	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	130411	24.795	ug/L	98
19) 1,1-Dichloroethane	6.21	63	270712	25.353	ug/L	98
21) 2-Butanone	7.17	43	145767	48.526	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	142676	25.061	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61117	25.584	ug/L	97
25) Chloroform	7.67	83	251875	24.904	ug/L	99
27) 1,2-Dichloroethane	8.40	62	190454	24.634	ug/L	99
30) Cyclohexane	7.95	56	272620	25.465	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	194082	26.557	ug/L	100
32) Carbon tetrachloride	8.06	117	181703	26.511	ug/L	97
34) Benzene	8.32	78	565685	25.705	ug/L	100
35) Trichloroethene	9.09	95	141801	25.534	ug/L	99
36) Methylcyclohexane	9.33	83	256665	25.682	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155433	25.775	ug/L	99
41) Bromodichloromethane	9.64	83	183761	26.431	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	239233	26.887	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	281189	50.301	ug/L	100
44) Toluene	10.38	91	586782	25.760	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	197351	26.806	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	107122	25.652	ug/L	97
47) Tetrachloroethene	10.86	164	106931	25.477	ug/L	96
49) 2-Hexanone	10.97	43	213748	52.530	ug/L	99
50) Dibromochloromethane	11.13	129	118510	26.650	ug/L	98
51) 1,2-Dibromoethane	11.23	107	102601	25.445	ug/L	96
52) Chlorobenzene	11.66	112	353121	25.375	ug/L	99
53) Ethylbenzene	11.73	91	667673	25.841	ug/L	100
54) m,p-Xylene	11.84	106	242021	25.800	ug/L	97
55) o-xylene	12.16	106	232987	26.108	ug/L	100
56) Styrene	12.18	104	400664	26.173	ug/L	100
57) Isopropylbenzene	12.46	105	638528	26.212	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	143441	25.820	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	108497	25.431	ug/L	99
62) Bromoform	12.35	173	70423	27.065	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	273069	25.422	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	275524	25.057	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	252634	25.267	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	25639	26.119	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	211078	25.936	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	178584	26.193	ug/L	98
69) Naphthalene	15.37	128	379536	26.580	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	158121	25.347	ug/L	98

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

