

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071619\
 Data File : VW011296.D
 Acq On : 16 Jul 2019 19:47
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Jul 17 07:25:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 17 07:20:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	291522	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	263308	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	126902	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	80804	18.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.60%
7) Chloroethane-d5	2.88	69	60963	19.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.08%
10) 1,1-Dichloroethene-d2	4.02	63	190003	20.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.60%
20) 2-Butanone-d5	7.07	46	120726	68.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.70%#
24) Chloroform-d	7.65	84	167319	20.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.76%
26) 1,2-Dichloroethane-d4	8.30	65	102508	20.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.32%
29) Benzene-d6	8.27	84	333680	20.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.28%
33) 1,2-Dichloropropane-d6	9.27	67	110546	20.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.72%
37) Toluene-d8	10.32	98	294794	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.56%
38) trans-1,3-Dichloropropene-	10.58	79	44912	20.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.00%
39) 2-Hexanone-d5	10.93	63	79232	65.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111924	25.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	101613	20.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	74729	20.842	ug/L	95
3) Chloromethane	2.21	50	77434	19.893	ug/L	99
5) Vinyl chloride	2.35	62	106646	20.991	ug/L	97
6) Bromomethane	2.77	94	48939	20.589	ug/L	99
8) Chloroethane	2.92	64	56086	21.841	ug/L	99
9) Trichlorofluoromethane	3.24	101	38676	22.233	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	90528	23.356	ug/L	97
12) 1,1-Dichloroethene	4.04	96	84878	22.155	ug/L	80
13) Acetone	4.12	43	88020	51.392	ug/L	98
14) Carbon disulfide	4.38	76	222527	20.306	ug/L	100
15) Methyl Acetate	4.67	43	92103	33.048	ug/L	98
16) Methylene chloride	4.91	84	90698	21.172	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	145424	24.477	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	84742	21.890	ug/L	97
19) 1,1-Dichloroethane	6.21	63	180023	22.906	ug/L	99
21) 2-Butanone	7.16	43	139384	63.041	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	94791	22.621	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	40419	22.988	ug/L	97
25) Chloroform	7.67	83	167500	22.501	ug/L	100
27) 1,2-Dichloroethane	8.40	62	129593	22.774	ug/L	99
30) Cyclohexane	7.95	56	175868	21.968	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	129808	23.753	ug/L	100
32) Carbon tetrachloride	8.07	117	120369	23.486	ug/L	98
34) Benzene	8.32	78	372766	22.652	ug/L	100
35) Trichloroethene	9.09	95	93244	22.453	ug/L	99
36) Methylcyclohexane	9.34	83	164345	21.991	ug/L	99
40) 1,2-Dichloropropane	9.37	63	103410	22.932	ug/L	99
41) Bromodichloromethane	9.64	83	120064	23.094	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	150151	22.567	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	258079	61.738	ug/L	99
44) Toluene	10.38	91	391227	22.968	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	127785	23.211	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	75567	24.199	ug/L	97
47) Tetrachloroethene	10.86	164	70199	22.367	ug/L	98
49) 2-Hexanone	10.97	43	194803	64.022	ug/L	98
50) Dibromochloromethane	11.13	129	80383	24.173	ug/L	98
51) 1,2-Dibromoethane	11.23	107	73622	24.416	ug/L	97
52) Chlorobenzene	11.66	112	233795	22.467	ug/L	98
53) Ethylbenzene	11.73	91	441400	22.846	ug/L	100
54) m,p-Xylene	11.84	106	159408	22.725	ug/L	98
55) o-xylene	12.16	106	152962	22.922	ug/L	98
56) Styrene	12.18	104	266276	23.261	ug/L	99
57) Isopropylbenzene	12.46	105	426188	23.397	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	113596	27.344	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	89175	27.952	ug/L	100
62) Bromoform	12.35	173	49181	26.004	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	177899	22.786	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	180133	22.538	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	171343	23.577	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23510	32.950	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	133433	22.557	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	111579	22.515	ug/L	100
69) Naphthalene	15.37	128	290746	28.013	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	108126	23.846	ug/L	99

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

