

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071319\
 Data File : VW011250.D
 Acq On : 12 Jul 2019 19:49
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Jul 13 05:37:02 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	343551	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318196	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	155356	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	108749	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
7) Chloroethane-d5	2.88	69	79567	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
10) 1,1-Dichloroethene-d2	4.02	63	246537	22.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.76%
20) 2-Butanone-d5	7.07	46	104999	50.81	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.62%
24) Chloroform-d	7.64	84	226144	24.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	8.30	65	139354	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.12%
29) Benzene-d6	8.27	84	449346	22.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.68%
33) 1,2-Dichloropropane-d6	9.27	67	150441	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.28%
37) Toluene-d8	10.32	98	394437	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.32%
38) trans-1,3-Dichloropropene-	10.58	79	63252	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.20%
39) 2-Hexanone-d5	10.93	63	73232	50.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132802	25.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	137770	23.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	100513	23.788	ug/L	96
3) Chloromethane	2.20	50	101542	22.135	ug/L	100
5) Vinyl chloride	2.35	62	134121	22.400	ug/L	99
6) Bromomethane	2.77	94	63826	22.785	ug/L	99
8) Chloroethane	2.92	64	72070	23.815	ug/L	98
9) Trichlorofluoromethane	3.24	101	44165	21.544	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	113134	24.768	ug/L	98
12) 1,1-Dichloroethene	4.04	96	109501	24.254	ug/L	85
13) Acetone	4.13	43	72862	36.099	ug/L	100
14) Carbon disulfide	4.38	76	294347	22.791	ug/L	100
15) Methyl Acetate	4.67	43	85204	25.943	ug/L	100
16) Methylene chloride	4.92	84	120908	23.949	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	193601	27.651	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	110919	24.313	ug/L	98
19) 1,1-Dichloroethane	6.21	63	232764	25.132	ug/L	100
21) 2-Butanone	7.17	43	125158	48.034	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	127198	25.757	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54394	26.251	ug/L	97
25) Chloroform	7.67	83	221418	25.239	ug/L	99
27) 1,2-Dichloroethane	8.40	62	170782	25.467	ug/L	100
30) Cyclohexane	7.95	56	229498	23.722	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	159476	24.148	ug/L	99
32) Carbon tetrachloride	8.07	117	149616	24.157	ug/L	100
34) Benzene	8.32	78	489190	24.599	ug/L	100
35) Trichloroethene	9.09	95	120555	24.022	ug/L	99
36) Methylcyclohexane	9.33	83	211047	23.369	ug/L	99
40) 1,2-Dichloropropane	9.37	63	137578	25.247	ug/L	100
41) Bromodichloromethane	9.64	83	161190	25.656	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	204727	25.462	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	256754	50.826	ug/L	99
44) Toluene	10.38	91	511711	24.860	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	171885	25.836	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	97460	25.826	ug/L	97
47) Tetrachloroethene	10.86	164	90035	23.739	ug/L	99
49) 2-Hexanone	10.97	43	182218	49.556	ug/L	98
50) Dibromochloromethane	11.13	129	105402	26.229	ug/L	99
51) 1,2-Dibromoethane	11.23	107	92539	25.396	ug/L	97
52) Chlorobenzene	11.66	112	310412	24.684	ug/L	99
53) Ethylbenzene	11.73	91	576726	24.701	ug/L	100
54) m,p-Xylene	11.84	106	208519	24.598	ug/L	90
55) o-xylene	12.16	106	202675	25.133	ug/L	98
56) Styrene	12.18	104	357452	25.839	ug/L	99
57) Isopropylbenzene	12.46	105	551680	25.062	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	132450	26.383	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	99750	25.873	ug/L	99
62) Bromoform	12.35	173	60874	26.291	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	238320	24.934	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	241995	24.732	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	226099	25.413	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21808	24.966	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	179513	24.788	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	153916	25.370	ug/L	99
69) Naphthalene	15.37	128	344280	27.096	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	143692	25.886	ug/L	100

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

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