

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071319\
 Data File : VW011231.D
 Acq On : 12 Jul 2019 09:48
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 3:34:47 PM

Quant Time: Jul 13 05:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 11 05:38:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	362019	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	327800	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161561	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121392	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.84%
7) Chloroethane-d5	2.88	69	89135	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
10) 1,1-Dichloroethene-d2	4.01	63	269371	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.04%
20) 2-Butanone-d5	7.09	46	102216	46.94	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.88%
24) Chloroform-d	7.64	84	234046	23.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	8.31	65	142436	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.24%
29) Benzene-d6	8.27	84	475021	23.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.08%
33) 1,2-Dichloropropane-d6	9.27	67	155560	23.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.64%
37) Toluene-d8	10.32	98	420327	23.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.44%
38) trans-1,3-Dichloropropene-	10.58	79	66382	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.96%
39) 2-Hexanone-d5	10.93	63	70853	46.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128435	23.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	143458	23.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	110403	24.796	ug/L 100
3) Chloromethane	2.20	50	101004	20.895	ug/L 99
5) Vinyl chloride	2.35	62	141311	22.397	ug/L 99
6) Bromomethane	2.78	94	69809	23.650	ug/L 100
8) Chloroethane	2.92	64	74778	23.449	ug/L 98
9) Trichlorofluoromethane	3.24	101	51974	24.060	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	114642	23.817	ug/L 99
12) 1,1-Dichloroethene	4.03	96	112824	23.715	ug/L 92
13) Acetone	4.17	43	81651m	38.390	ug/L
14) Carbon disulfide	4.38	76	315005	23.147	ug/L 99
15) Methyl Acetate	4.68	43	78150	22.581	ug/L 98
16) Methylene chloride	4.92	84	124071	23.322	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	192485	26.089	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	112097	23.317	ug/L 97
19) 1,1-Dichloroethane	6.21	63	236836	24.267	ug/L 98
21) 2-Butanone	7.18	43	120037	43.719	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	125363	24.091	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52825	24.193	ug/L	99
25) Chloroform	7.67	83	220056	23.804	ug/L	99
27) 1,2-Dichloroethane	8.40	62	166944	23.624	ug/L	100
30) Cyclohexane	7.95	56	234889	23.568	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	164865	24.233	ug/L	99
32) Carbon tetrachloride	8.06	117	154204	24.168	ug/L	98
34) Benzene	8.32	78	491672	23.999	ug/L	100
35) Trichloroethene	9.09	95	122666	23.727	ug/L	99
36) Methylcyclohexane	9.33	83	221271	23.783	ug/L	99
40) 1,2-Dichloropropane	9.37	63	135416	24.122	ug/L	99
41) Bromodichloromethane	9.64	83	157907	24.397	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	207396	25.038	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	240237	46.163	ug/L	99
44) Toluene	10.38	91	511936	24.142	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	171101	24.964	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	93151	23.961	ug/L	97
47) Tetrachloroethene	10.86	164	90519	23.167	ug/L	99
49) 2-Hexanone	10.97	43	177154	46.767	ug/L	99
50) Dibromochloromethane	11.13	129	103288	24.950	ug/L	99
51) 1,2-Dibromoethane	11.23	107	90603	24.136	ug/L	100
52) Chlorobenzene	11.66	112	311517	24.046	ug/L	99
53) Ethylbenzene	11.73	91	576547	23.970	ug/L	99
54) m,p-Xylene	11.84	106	212347	24.316	ug/L	98
55) o-xylene	12.16	106	202878	24.421	ug/L	99
56) Styrene	12.18	104	353602	24.812	ug/L	98
57) Isopropylbenzene	12.46	105	551522	24.320	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	124503	24.073	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	94308	23.745	ug/L	99
62) Bromoform	12.35	173	59523	24.721	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	239341	24.079	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	241082	23.693	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	224158	24.227	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	20755	22.848	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	185219	24.594	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	155378	24.627	ug/L	99
69) Naphthalene	15.37	128	337156	25.516	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	145447	25.196	ug/L	99

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

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