

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121019\
 Data File : VW014295.D
 Acq On : 10 Dec 2019 21:07
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Manual Integrations
 APPROVED

MMDadoda
 12/11/2019 12:55:54 PM

Quant Time: Dec 11 05:54:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 11 04:05:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1153417	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1060132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	521573	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	407261	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.28%
7) Chloroethane-d5	2.89	69	343502	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.80%
10) 1,1-Dichloroethene-d2	4.03	63	754353	24.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.80%
20) 2-Butanone-d5	7.07	46	247391	54.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.70%
24) Chloroform-d	7.65	84	821866	27.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.96%
26) 1,2-Dichloroethane-d4	8.30	65	435006	28.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.00%
29) Benzene-d6	8.27	84	1688625	27.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.72%
33) 1,2-Dichloropropane-d6	9.27	67	529479	27.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.80%
37) Toluene-d8	10.32	98	1525733	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.64%
38) trans-1,3-Dichloropropene-	10.57	79	214544	26.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.00%
39) 2-Hexanone-d5	10.92	63	207108	54.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	421692	27.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	530756	26.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	228071	20.790 ug/L	99
3) Chloromethane	2.21	50	223759	20.290 ug/L	100
5) Vinyl chloride	2.36	62	389371	23.846 ug/L	95
6) Bromomethane	2.78	94	239148	23.744 ug/L	100
8) Chloroethane	2.92	64	226913	24.324 ug/L	93
9) Trichlorofluoromethane	3.26	101	170708	21.117 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	352766	23.188 ug/L	94
12) 1,1-Dichloroethene	4.04	96	358605m	23.282 ug/L	
13) Acetone	4.12	43	160464	36.567 ug/L	97
14) Carbon disulfide	4.38	76	1069058	22.631 ug/L	99
15) Methyl Acetate	4.67	43	185399	22.336 ug/L	98
16) Methylene chloride	4.92	84	408361	23.095 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	467783	23.030 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	374748	22.719 ug/L	94
19) 1,1-Dichloroethane	6.21	63	714563	24.112 ug/L	97
21) 2-Butanone	7.16	43	246606	41.858 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	409742	23.345 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	184763	22.885	ug/L	85
25) Chloroform	7.67	83	696153	24.174	ug/L	99
27) 1,2-Dichloroethane	8.40	62	453101	24.028	ug/L	97
30) Cyclohexane	7.95	56	617568	23.339	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	507837	23.853	ug/L	97
32) Carbon tetrachloride	8.07	117	468722	23.203	ug/L	100
34) Benzene	8.32	78	1605830	23.923	ug/L	100
35) Trichloroethene	9.09	95	391266	22.782	ug/L	96
36) Methylcyclohexane	9.34	83	640562	22.195	ug/L	96
40) 1,2-Dichloropropane	9.37	63	409995	23.775	ug/L	99
41) Bromodichloromethane	9.64	83	491975	23.475	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	611873	23.693	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	529072	46.526	ug/L	98
44) Toluene	10.38	91	1682981	23.915	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	494624	23.661	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	295619	22.876	ug/L	98
47) Tetrachloroethene	10.86	164	315925	22.070	ug/L	97
49) 2-Hexanone	10.96	43	362807	44.814	ug/L	99
50) Dibromochloromethane	11.13	129	335297	23.119	ug/L	99
51) 1,2-Dibromoethane	11.23	107	273353	22.332	ug/L #	97
52) Chlorobenzene	11.65	112	1055444	23.206	ug/L	94
53) Ethylbenzene	11.73	91	1822387	23.866	ug/L	99
54) m,p-Xylene	11.83	106	696686	23.718	ug/L	98
55) o-xylene	12.16	106	666839	23.934	ug/L	99
56) Styrene	12.18	104	1166681	24.477	ug/L	97
57) Isopropylbenzene	12.46	105	1732636	23.954	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	357773	22.306	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	265821	22.304	ug/L	100
62) Bromoform	12.35	173	194736	21.998	ug/L	99
63) 1,3-Dichlorobenzene	13.49	146	790385	22.546	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	800607	22.478	ug/L	97
65) 1,2-Dichlorobenzene	13.86	146	735133	22.550	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	53363	21.219	ug/L	84
67) 1,3,5-Trichlorobenzene	14.63	180	548584	21.750	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	425089	21.619	ug/L	99
69) Naphthalene	15.36	128	806612	21.814	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	395632	21.456	ug/L	98

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

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