

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120718\
 Data File : VW007349.D
 Acq On : 08 Dec 2018 11:12
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:09:43 PM

Quant Time: Dec 10 07:12:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 10 05:52:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	124670	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	107538	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	53255	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	22566	27.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.16%
7) Chloroethane-d5	2.89	69	16834	24.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.92%
10) 1,1-Dichloroethene-d2	4.02	63	72612	25.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.68%
20) 2-Butanone-d5	7.07	46	19009	37.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.28%
24) Chloroform-d	7.65	84	70681	24.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.16%
26) 1,2-Dichloroethane-d4	8.31	65	39777	23.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.04%
29) Benzene-d6	8.27	84	137167	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
33) 1,2-Dichloropropane-d6	9.28	67	38003	22.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.20%
37) Toluene-d8	10.32	98	133067	24.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.20%
38) trans-1,3-Dichloropropene-	10.58	79	18113	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.04%
39) 2-Hexanone-d5	10.93	63	14092	35.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	30987	20.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	43683	23.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	42959m	31.552	ug/L
3) Chloromethane	2.22	50	26260	24.093	ug/L
5) Vinyl chloride	2.37	62	30755	29.909	ug/L
6) Bromomethane	2.78	94	19105	26.862	ug/L
8) Chloroethane	2.93	64	16634	26.873	ug/L
9) Trichlorofluoromethane	3.26	101	27750	23.510	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	43562	27.685	ug/L
12) 1,1-Dichloroethene	4.04	96	38527	26.314	ug/L
13) Acetone	4.12	43	16071	27.001	ug/L
14) Carbon disulfide	4.38	76	118208	27.651	ug/L
15) Methyl Acetate	4.67	43	18294	20.498	ug/L #
16) Methylene chloride	4.91	84	42248	20.973	ug/L
17) Methyl tert-butyl Ether	5.42	73	64946	27.280	ug/L
18) trans-1,2-Dichloroethene	5.42	96	41183	26.219	ug/L
19) 1,1-Dichloroethane	6.21	63	69739	26.047	ug/L
21) 2-Butanone	7.18	43	23832	37.254	ug/L
22) cis-1,2-Dichloroethene	7.17	96	45405	26.269	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	20472	25.981	ug/L	89
25) Chloroform	7.68	83	78586	27.127	ug/L	99
27) 1,2-Dichloroethane	8.40	62	53589	25.877	ug/L	100
30) Cyclohexane	7.96	56	67276	26.078	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	71068	28.079	ug/L	99
32) Carbon tetrachloride	8.07	117	67836	27.735	ug/L	99
34) Benzene	8.32	78	162834	26.417	ug/L	100
35) Trichloroethene	9.09	95	45719	25.866	ug/L	98
36) Methylcyclohexane	9.34	83	79634	26.099	ug/L	100
40) 1,2-Dichloropropane	9.37	63	39244	26.028	ug/L	100
41) Bromodichloromethane	9.64	83	56002	25.867	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	62653	24.743	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	50591	42.391	ug/L	99
44) Toluene	10.39	91	177227	26.675	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	52544	23.629	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	31515	25.384	ug/L	91
47) Tetrachloroethene	10.87	164	34535	25.866	ug/L	93
49) 2-Hexanone	10.97	43	33544	39.992	ug/L	93
50) Dibromochloromethane	11.13	129	41007	26.886	ug/L	98
51) 1,2-Dibromoethane	11.24	107	30573	24.519	ug/L	98
52) Chlorobenzene	11.66	112	108733	25.217	ug/L #	87
53) Ethylbenzene	11.73	91	191805	25.674	ug/L	89
54) m,p-Xylene	11.84	106	74947	26.409	ug/L	99
55) o-xylene	12.17	106	71297	26.584	ug/L	88
56) Styrene	12.19	104	122609	26.670	ug/L	98
57) Isopropylbenzene	12.47	105	199694	26.679	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	37075	24.089	ug/L	87
59) 1,2,3-Trichloropropane	12.77	75	28475	23.373	ug/L	98
62) Bromoform	12.35	173	22630	24.813	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	86107	25.168	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	85810	25.159	ug/L	89
65) 1,2-Dichlorobenzene	13.88	146	78855	25.754	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	7180	22.140	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	63119	25.468	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	54713	25.607	ug/L	94
69) Naphthalene	15.38	128	121095	22.928	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	49369	25.415	ug/L	95

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

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