

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050719\
 Data File : VW010297.D
 Acq On : 07 May 2019 13:39
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 6:02:32 PM

Quant Time: May 08 04:43:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:05:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	586150	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	537208	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	253569	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	169362	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.28%
7) Chloroethane-d5	2.89	69	134077m	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
10) 1,1-Dichloroethene-d2	4.01	63	405063	23.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.28%
20) 2-Butanone-d5	7.08	46	151966	48.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.12%
24) Chloroform-d	7.65	84	384332	24.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.48%
26) 1,2-Dichloroethane-d4	8.31	65	221131	23.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.72%
29) Benzene-d6	8.27	84	750493	25.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.88%
33) 1,2-Dichloropropane-d6	9.27	67	228732	25.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.56%
37) Toluene-d8	10.32	98	677548	26.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.16%
38) trans-1,3-Dichloropropene-	10.58	79	101250	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.32%
39) 2-Hexanone-d5	10.93	63	120297	52.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	208815	24.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	223497	25.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	181440	23.157	ug/L	92
3) Chloromethane	2.22	50	175522	23.245	ug/L	99
5) Vinyl chloride	2.37	62	200995	22.733	ug/L	96
6) Bromomethane	2.78	94	114260	21.379	ug/L	99
8) Chloroethane	2.92	64	113369	21.299	ug/L	100
9) Trichlorofluoromethane	3.25	101	108495	19.011	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	186082	23.689	ug/L	98
12) 1,1-Dichloroethene	4.03	96	184025	23.126	ug/L	95
13) Acetone	4.12	43	105501	38.993	ug/L	98
14) Carbon disulfide	4.38	76	559806	22.988	ug/L	99
15) Methyl Acetate	4.67	43	121139	20.987	ug/L	99
16) Methylene chloride	4.91	84	179998	22.684	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	242718	23.272	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	189938	23.139	ug/L	98
19) 1,1-Dichloroethane	6.21	63	361168	22.954	ug/L	99
21) 2-Butanone	7.17	43	170882	44.151	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	198664	23.438	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86431	22.728	ug/L	98
25) Chloroform	7.67	83	358755	23.089	ug/L	100
27) 1,2-Dichloroethane	8.40	62	255040	22.365	ug/L	97
30) Cyclohexane	7.95	56	349786	25.182	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	281394	23.001	ug/L	98
32) Carbon tetrachloride	8.07	117	280732	23.088	ug/L	100
34) Benzene	8.32	78	799371	24.243	ug/L	100
35) Trichloroethene	9.09	95	203719	23.383	ug/L	99
36) Methylcyclohexane	9.33	83	367609	24.980	ug/L	100
40) 1,2-Dichloropropane	9.37	63	200014	23.771	ug/L	99
41) Bromodichloromethane	9.64	83	253411	23.274	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	302103	23.994	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	342948	45.752	ug/L	99
44) Toluene	10.38	91	851435	24.655	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	260192	23.966	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	142499	22.674	ug/L	97
47) Tetrachloroethene	10.86	164	156904	23.819	ug/L	97
49) 2-Hexanone	10.97	43	260250	45.782	ug/L	99
50) Dibromochloromethane	11.13	129	167734	23.202	ug/L	100
51) 1,2-Dibromoethane	11.23	107	142545	23.027	ug/L	99
52) Chlorobenzene	11.66	112	506187	23.464	ug/L	99
53) Ethylbenzene	11.73	91	948826	24.616	ug/L	99
54) m,p-Xylene	11.84	106	351231	25.048	ug/L	99
55) o-xylene	12.17	106	325160	24.909	ug/L	97
56) Styrene	12.18	104	570596	25.331	ug/L	99
57) Isopropylbenzene	12.46	105	917045	25.563	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	195407	22.623	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	151049	22.781	ug/L	99
62) Bromoform	12.35	173	100448	23.033	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	370050	24.510	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	389015	23.792	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	351283	24.183	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	37351	21.578	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	275773	24.386	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	221823	24.785	ug/L	99
69) Naphthalene	15.37	128	511695	25.352	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	211197	24.566	ug/L	99

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

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