

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050119\
 Data File : VW010243.D
 Acq On : 01 May 2019 12:36
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Quant Time: May 02 03:26:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 07:37:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	638521	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	592151	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	288266	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	162213	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.56%
7) Chloroethane-d5	2.89	69	140256	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.48%
10) 1,1-Dichloroethene-d2	4.01	63	410469	25.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.92%
20) 2-Butanone-d5	7.07	46	135462	50.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.40%
24) Chloroform-d	7.64	84	424490	25.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	8.30	65	243721	25.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.56%
29) Benzene-d6	8.27	84	795684	24.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.80%
33) 1,2-Dichloropropane-d6	9.27	67	252224	25.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.28%
37) Toluene-d8	10.32	98	708688	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.76%
38) trans-1,3-Dichloropropene-	10.58	79	112690	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.20%
39) 2-Hexanone-d5	10.93	63	105768	50.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	214679	25.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	251094	23.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	218335	24.341	ug/L 95
3) Chloromethane	2.21	50	193847	25.679	ug/L 96
5) Vinyl chloride	2.37	62	237780	25.672	ug/L 98
6) Bromomethane	2.78	94	132319	25.014	ug/L 99
8) Chloroethane	2.93	64	136059	24.639	ug/L 95
9) Trichlorofluoromethane	3.26	101	133467	26.495	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	195864	25.433	ug/L 95
12) 1,1-Dichloroethene	4.04	96	203989	26.313	ug/L 88
13) Acetone	4.12	43	108691	51.479	ug/L 96
14) Carbon disulfide	4.37	76	585262	26.201	ug/L 100
15) Methyl Acetate	4.67	43	108698	23.712	ug/L 97
16) Methylene chloride	4.92	84	202028	19.014	ug/L 93
17) Methyl tert-butyl Ether	5.42	73	256688	25.470	ug/L 97
18) trans-1,2-Dichloroethene	5.42	96	209745	25.609	ug/L 95
19) 1,1-Dichloroethane	6.21	63	413453	27.193	ug/L 99
21) 2-Butanone	7.17	43	150783	50.924	ug/L 97
22) cis-1,2-Dichloroethene	7.16	96	227641	25.702	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	94941	23.315	ug/L #	86
25) Chloroform	7.67	83	410420	26.345	ug/L	100
27) 1,2-Dichloroethane	8.40	62	292254	26.507	ug/L	99
30) Cyclohexane	7.95	56	383658	28.613	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	334915	27.070	ug/L	98
32) Carbon tetrachloride	8.06	117	321317	26.166	ug/L	100
34) Benzene	8.32	78	886946	26.692	ug/L	100
35) Trichloroethene	9.09	95	234564	26.474	ug/L	94
36) Methylcyclohexane	9.34	83	399663	27.106	ug/L	97
40) 1,2-Dichloropropane	9.37	63	230148	26.691	ug/L	98
41) Bromodichloromethane	9.64	83	296722	26.174	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	357477	26.650	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	323332	53.204	ug/L	95
44) Toluene	10.38	91	960642	27.012	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	304771	26.117	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	157263	24.402	ug/L	96
47) Tetrachloroethene	10.86	164	180517	24.553	ug/L	98
49) 2-Hexanone	10.97	43	237682	54.709	ug/L	97
50) Dibromochloromethane	11.13	129	192213	24.018	ug/L	95
51) 1,2-Dibromoethane	11.23	107	152314	24.141	ug/L #	97
52) Chlorobenzene	11.66	112	592035	25.413	ug/L	100
53) Ethylbenzene	11.73	91	1099592	27.309	ug/L	99
54) m,p-Xylene	11.84	106	404226	26.675	ug/L	99
55) o-xylene	12.16	106	380269	26.547	ug/L	99
56) Styrene	12.18	104	662704	26.714	ug/L	97
57) Isopropylbenzene	12.46	105	1064489	27.308	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	196103	24.433	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	147148	24.593	ug/L	96
62) Bromoform	12.35	173	105491	22.774	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	440330	25.293	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	454208	24.816	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	411421	25.089	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	33115	24.321	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	334332	24.959	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	262624	24.211	ug/L	99
69) Naphthalene	15.37	128	512614	23.078	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	241806	23.589	ug/L	100

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

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