

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022019\
 Data File : VW008761.D
 Acq On : 20 Feb 2019 18:27
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Quant Time: Feb 21 06:48:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 20 13:48:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	376472	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	373495	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	202964	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132998	22.71	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.84%
7) Chloroethane-d5	2.88	69	119231	22.68	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
10) 1,1-Dichloroethene-d2	4.02	63	229533	23.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.28%
20) 2-Butanone-d5	7.08	46	104506	59.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.68%
24) Chloroform-d	7.65	84	217155	23.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	8.31	65	127240	23.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.72%
29) Benzene-d6	8.27	84	429288	23.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.76%
33) 1,2-Dichloropropane-d6	9.27	67	124966	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	10.32	98	439723	24.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.96%
38) trans-1,3-Dichloropropene-	10.58	79	63340	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.24%
39) 2-Hexanone-d5	10.92	63	84212	58.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	142180	26.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	179978	24.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	186688	25.814	ug/L	92
3) Chloromethane	2.21	50	185001	24.748	ug/L	95
5) Vinyl chloride	2.36	62	190819	24.898	ug/L	95
6) Bromomethane	2.77	94	116977	23.019	ug/L	97
8) Chloroethane	2.92	64	115963	22.598	ug/L	96
9) Trichlorofluoromethane	3.26	101	230822	25.185	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	134407	24.832	ug/L	98
12) 1,1-Dichloroethene	4.04	96	115524	24.601	ug/L	86
13) Acetone	4.13	43	105198	63.493	ug/L	98
14) Carbon disulfide	4.38	76	406364	25.042	ug/L	100
15) Methyl Acetate	4.67	43	90185	27.291	ug/L	92
16) Methylene chloride	4.92	84	137712	22.622	ug/L	91
17) Methyl tert-butyl Ether	5.43	73	318647	24.128	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	126817	24.529	ug/L	94
19) 1,1-Dichloroethane	6.22	63	212809	24.243	ug/L	94
21) 2-Butanone	7.17	43	137092	59.134	ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	132215	23.844	ug/L	93

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

23) Bromochloromethane	7.51	128	60151	23.708	ug/L #	80
25) Chloroform	7.67	83	222582	24.087	ug/L	100
27) 1,2-Dichloroethane	8.40	62	162241	24.142	ug/L #	92
30) Cyclohexane	7.96	56	218449	24.849	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	210324	24.392	ug/L	98
32) Carbon tetrachloride	8.07	117	191412	24.290	ug/L	97
34) Benzene	8.32	78	492505	24.307	ug/L	100
35) Trichloroethene	9.09	95	132333	24.197	ug/L	96
36) Methylcyclohexane	9.34	83	239717	24.702	ug/L	97
40) 1,2-Dichloropropane	9.37	63	119149	23.805	ug/L	98
41) Bromodichloromethane	9.65	83	162698	23.906	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	193008	23.773	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	248035	54.873	ug/L	95
44) Toluene	10.39	91	578063	24.816	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	176244	24.310	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	101854	24.339	ug/L	98
47) Tetrachloroethene	10.87	164	121466	24.396	ug/L	92
49) 2-Hexanone	10.97	43	193884	54.684	ug/L	93
50) Dibromochloromethane	11.13	129	124122	24.466	ug/L	99
51) 1,2-Dibromoethane	11.24	107	105381	24.895	ug/L	100
52) Chlorobenzene	11.66	112	377530	24.081	ug/L	99
53) Ethylbenzene	11.73	91	663811	24.526	ug/L	98
54) m,p-Xylene	11.84	106	262059	24.623	ug/L	93
55) o-xylene	12.16	106	247943	24.217	ug/L	92
56) Styrene	12.18	104	419701	24.442	ug/L	92
57) Isopropylbenzene	12.46	105	666687	24.409	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	144409	25.721	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	108919	26.239	ug/L	98
62) Bromoform	12.35	173	78421	24.957	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	321818	24.294	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	326148	24.234	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	299310	24.393	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	29400	26.985	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	251962	24.157	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	214797	23.909	ug/L	97
69) Naphthalene	15.37	128	489686	26.476	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	200794	24.322	ug/L	97

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

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