

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\
 Data File : VW014170.D
 Acq On : 29 Nov 2019 09:27
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Nov 30 04:10:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 29 14:38:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	296670	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	286156	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	172138	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90484	19.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.48%
7) Chloroethane-d5	2.89	69	82207	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.68%
10) 1,1-Dichloroethene-d2	4.02	63	205025	21.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.44%
20) 2-Butanone-d5	7.07	46	68198	49.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.20%
24) Chloroform-d	7.65	84	216261	23.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	8.30	65	110158	24.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.08%
29) Benzene-d6	8.27	84	435803	21.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.84%
33) 1,2-Dichloropropane-d6	9.27	67	131479	22.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.44%
37) Toluene-d8	10.32	98	399741	20.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.04%
38) trans-1,3-Dichloropropene-	10.57	79	54806	21.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.08%
39) 2-Hexanone-d5	10.92	63	54922	48.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111352	24.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	151899	21.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	67724	19.195	ug/L	87
3) Chloromethane	2.21	50	68203	21.763	ug/L	98
5) Vinyl chloride	2.36	62	118775	24.274	ug/L	96
6) Bromomethane	2.78	94	73956	24.412	ug/L	98
8) Chloroethane	2.92	64	71198	24.461	ug/L	95
9) Trichlorofluoromethane	3.26	101	88434	26.504	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	119937	24.344	ug/L	99
12) 1,1-Dichloroethene	4.04	96	117894	23.540	ug/L	98
13) Acetone	4.12	43	60563	43.282	ug/L	99
14) Carbon disulfide	4.38	76	320832	22.508	ug/L	100
15) Methyl Acetate	4.67	43	55606	24.561	ug/L	98
16) Methylene chloride	4.92	84	121078	21.199	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	148476	22.980	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	122302	23.418	ug/L	96
19) 1,1-Dichloroethane	6.21	63	217560	24.732	ug/L	97
21) 2-Butanone	7.17	43	78427	43.627	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	131986	24.016	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	58738	24.348	ug/L	91
25) Chloroform	7.67	83	218063	25.242	ug/L	99
27) 1,2-Dichloroethane	8.40	62	135805	25.966	ug/L	98
30) Cyclohexane	7.95	56	202334	22.095	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	176148	24.563	ug/L	98
32) Carbon tetrachloride	8.06	117	167926	24.393	ug/L	100
34) Benzene	8.32	78	502007	23.917	ug/L	100
35) Trichloroethene	9.09	95	127484	22.769	ug/L	99
36) Methylcyclohexane	9.34	83	224227	22.336	ug/L	98
40) 1,2-Dichloropropane	9.37	63	121751	24.096	ug/L	100
41) Bromodichloromethane	9.64	83	150715	24.673	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	188684	23.663	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	151709	45.475	ug/L	98
44) Toluene	10.38	91	537264	23.477	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	149688	23.739	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	89544	24.119	ug/L	95
47) Tetrachloroethene	10.86	164	118209	23.687	ug/L	95
49) 2-Hexanone	10.96	43	110211	45.823	ug/L	98
50) Dibromochloromethane	11.13	129	107208	24.568	ug/L	98
51) 1,2-Dibromoethane	11.23	107	85012	23.601	ug/L	95
52) Chlorobenzene	11.65	112	337764	23.543	ug/L	96
53) Ethylbenzene	11.73	91	595239	23.703	ug/L	99
54) m,p-Xylene	11.84	106	229314	23.497	ug/L	98
55) o-xylene	12.16	106	215348	23.564	ug/L	99
56) Styrene	12.18	104	373854	24.216	ug/L	100
57) Isopropylbenzene	12.46	105	600660	23.905	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	105904	24.433	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	78299	24.019	ug/L	99
62) Bromoform	12.35	173	66349	23.520	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	274860	22.740	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	277009	23.196	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	247099	23.087	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	16152	22.159	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	214047	23.237	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	164261	22.679	ug/L	99
69) Naphthalene	15.36	128	281069	21.843	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	147065	23.007	ug/L	99

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

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