

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022720\
 Data File : VW015054.D
 Acq On : 27 Feb 2020 09:39
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Feb 28 03:55:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 27 15:22:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	731918	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	683582	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	303820	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	387153	21.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.56%
7) Chloroethane-d5	2.89	69	291359	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.32%
10) 1,1-Dichloroethene-d2	4.02	63	664858	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.36%
20) 2-Butanone-d5	7.07	46	169333	55.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.68%
24) Chloroform-d	7.65	84	576685	23.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	8.31	65	334283	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.36%
29) Benzene-d6	8.27	84	1147096	24.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.68%
33) 1,2-Dichloropropane-d6	9.27	67	383793	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.64%
37) Toluene-d8	10.32	98	986193	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.68%
38) trans-1,3-Dichloropropene-	10.57	79	143319	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.64%
39) 2-Hexanone-d5	10.92	63	119287	57.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	265949	26.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	255456	22.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	163088	26.114	ug/L	98
3) Chloromethane	2.21	50	343561	23.998	ug/L	99
5) Vinyl chloride	2.37	62	451944	24.399	ug/L	99
6) Bromomethane	2.78	94	203001	24.412	ug/L	98
8) Chloroethane	2.93	64	249582	24.763	ug/L	96
9) Trichlorofluoromethane	3.26	101	226649	27.150	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	301588	26.231	ug/L	99
12) 1,1-Dichloroethene	4.04	96	279569	25.540	ug/L	83
13) Acetone	4.12	43	244342	67.509	ug/L	100
14) Carbon disulfide	4.39	76	1015834	24.799	ug/L	100
15) Methyl Acetate	4.67	43	180189	29.566	ug/L #	81
16) Methylene chloride	4.91	84	324850	23.979	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	357213	26.960	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	292504	25.864	ug/L	96
19) 1,1-Dichloroethane	6.21	63	665798	26.396	ug/L	99
21) 2-Butanone	7.17	43	269397	63.296	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	304928	26.494	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	118460	26.459	ug/L	94
25) Chloroform	7.67	83	596227	26.047	ug/L	99
27) 1,2-Dichloroethane	8.40	62	436622	27.878	ug/L	100
30) Cyclohexane	7.95	56	647099	28.313	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	457783	25.967	ug/L	99
32) Carbon tetrachloride	8.07	117	407146	25.772	ug/L	100
34) Benzene	8.32	78	1398829	27.509	ug/L	100
35) Trichloroethene	9.09	95	322596	26.226	ug/L	100
36) Methylcyclohexane	9.34	83	598912	28.355	ug/L	100
40) 1,2-Dichloropropane	9.37	63	385347	27.285	ug/L	100
41) Bromodichloromethane	9.64	83	427464	26.983	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	510530	27.741	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	492093	62.297	ug/L	99
44) Toluene	10.38	91	1395812	28.264	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	423186	28.451	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	223683	28.145	ug/L	98
47) Tetrachloroethene	10.86	164	206108	25.999	ug/L	96
49) 2-Hexanone	10.97	43	385297	67.281	ug/L	99
50) Dibromochloromethane	11.13	129	230329	27.233	ug/L	100
51) 1,2-Dibromoethane	11.23	107	197430	28.504	ug/L	94
52) Chlorobenzene	11.66	112	769834	26.503	ug/L	97
53) Ethylbenzene	11.73	91	1519913	28.173	ug/L	99
54) m,p-Xylene	11.84	106	538964	28.554	ug/L	97
55) o-xylene	12.16	106	500032	28.431	ug/L	98
56) Styrene	12.18	104	879603	29.200	ug/L	97
57) Isopropylbenzene	12.46	105	1381741	28.848	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	284130	28.335	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	218469	28.346	ug/L	99
62) Bromoform	12.35	173	114874	26.900	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	530097	26.745	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	530987	26.020	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	479464	26.710	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	43998	27.764	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	341343	25.682	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	254578	26.208	ug/L	99
69) Naphthalene	15.36	128	234584	27.203	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	237566	27.248	ug/L	99

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

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