

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071420\
 Data File : VW015852.D
 Acq On : 14 Jul 2020 08:55
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Quant Time: Jul 15 06:34:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 12:33:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	308470	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	302702	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156854	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132447	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.32%
7) Chloroethane-d5	2.90	69	146057	27.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.16%
10) 1,1-Dichloroethene-d2	4.01	63	149732	20.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.16%
20) 2-Butanone-d5	7.09	46	36722	44.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.22%
24) Chloroform-d	7.65	84	199177	23.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	8.31	65	110555	24.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.96%
29) Benzene-d6	8.27	84	404668	24.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.32%
33) 1,2-Dichloropropane-d6	9.27	67	110823	23.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.72%
37) Toluene-d8	10.32	98	396944	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	10.58	79	49834	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.56%
39) 2-Hexanone-d5	10.93	63	35163	51.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94765	24.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	142377	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	45404	22.491	ug/L	90
3) Chloromethane	2.22	50	92245	27.550	ug/L	99
5) Vinyl chloride	2.37	62	149880	25.778	ug/L	100
6) Bromomethane	2.79	94	135936	25.692	ug/L	99
8) Chloroethane	2.93	64	117993	27.860	ug/L	100
9) Trichlorofluoromethane	3.27	101	155569	27.073	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	72999	21.261	ug/L	95
12) 1,1-Dichloroethene	4.04	96	68462	21.126	ug/L	80
13) Acetone	4.14	43	27193	43.319	ug/L	97
14) Carbon disulfide	4.38	76	237275	22.122	ug/L	98
15) Methyl Acetate	4.68	43	28720	22.301	ug/L	100
16) Methylene chloride	4.92	84	87428	21.386	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	115234	23.249	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	91252	22.926	ug/L	90
19) 1,1-Dichloroethane	6.22	63	164856	23.912	ug/L	99
21) 2-Butanone	7.18	43	42623	49.969	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	98740	23.675	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	43972	23.590	ug/L	97
25) Chloroform	7.68	83	179667	23.958	ug/L	99
27) 1,2-Dichloroethane	8.40	62	121574	24.817	ug/L	99
30) Cyclohexane	7.96	56	151656	24.545	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	163887	24.493	ug/L	98
32) Carbon tetrachloride	8.07	117	154841	24.729	ug/L	100
34) Benzene	8.32	78	420999	24.991	ug/L	100
35) Trichloroethene	9.09	95	111262	24.327	ug/L	98
36) Methylcyclohexane	9.34	83	197021	25.164	ug/L	98
40) 1,2-Dichloropropane	9.37	63	98742	24.647	ug/L	100
41) Bromodichloromethane	9.65	83	136384	24.970	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	158817	26.401	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	96470	51.214	ug/L	100
44) Toluene	10.39	91	488179	25.746	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	137603	25.715	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	78315	25.248	ug/L	98
47) Tetrachloroethene	10.87	164	94435	25.369	ug/L	97
49) 2-Hexanone	10.97	43	72255	54.120	ug/L	98
50) Dibromochloromethane	11.13	129	95616	25.705	ug/L	95
51) 1,2-Dibromoethane	11.24	107	75180	25.474	ug/L	95
52) Chlorobenzene	11.66	112	312995	25.129	ug/L	98
53) Ethylbenzene	11.73	91	556405	25.910	ug/L	99
54) m,p-Xylene	11.84	106	221407	26.869	ug/L	94
55) o-xylene	12.17	106	206205	26.328	ug/L	92
56) Styrene	12.18	104	350103	26.531	ug/L	98
57) Isopropylbenzene	12.47	105	568340	26.456	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	92506	26.166	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	66291	25.529	ug/L	99
62) Bromoform	12.35	173	52754	24.904	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	255288	25.848	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	252773	25.264	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	224183	25.050	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	13902	25.126	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	168573	25.603	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	132821	25.834	ug/L	98
69) Naphthalene	15.37	128	242228	26.445	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	119705	26.096	ug/L	99

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

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