

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072420\
 Data File : VW015937.D
 Acq On : 24 Jul 2020 08:57
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Jul 25 05:13:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 06:59:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	517967	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	461145	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	217863	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	134927	18.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.84%
7) Chloroethane-d5	2.90	69	123430	20.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.16%
10) 1,1-Dichloroethene-d2	4.01	63	318796	21.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.28%
20) 2-Butanone-d5	7.08	46	87180	45.41	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.82%
24) Chloroform-d	7.65	84	309981	21.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.24%
26) 1,2-Dichloroethane-d4	8.30	65	163218	20.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.76%
29) Benzene-d6	8.27	84	615648	21.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.72%
33) 1,2-Dichloropropane-d6	9.27	67	184146	21.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.52%
37) Toluene-d8	10.32	98	549176	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.40%
38) trans-1,3-Dichloropropene-	10.58	79	75069	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.72%
39) 2-Hexanone-d5	10.93	63	65792	46.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141706	21.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	182123	21.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	110650	25.246 ug/L	97
3) Chloromethane	2.21	50	137114	25.866 ug/L	99
5) Vinyl chloride	2.37	62	198080	24.227 ug/L	99
6) Bromomethane	2.79	94	116353	23.855 ug/L	100
8) Chloroethane	2.93	64	119686	24.989 ug/L	97
9) Trichlorofluoromethane	3.26	101	155746	28.340 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	170379	25.362 ug/L	99
12) 1,1-Dichloroethene	4.04	96	172716	25.940 ug/L	89
13) Acetone	4.12	43	83174	51.587 ug/L	97
14) Carbon disulfide	4.38	76	511684	24.333 ug/L	100
15) Methyl Acetate	4.67	43	73202	24.079 ug/L #	79
16) Methylene chloride	4.92	84	181718	21.410 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	253317	26.904 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	177515	25.247 ug/L	99
19) 1,1-Dichloroethane	6.21	63	325585	25.128 ug/L	99
21) 2-Butanone	7.17	43	100191	50.252 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	188540	25.630 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	80923	25.086	ug/L	95
25) Chloroform	7.68	83	318686	24.817	ug/L	100
27) 1,2-Dichloroethane	8.40	62	204129	23.361	ug/L	96
30) Cyclohexane	7.96	56	304246	26.166	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	270711	25.141	ug/L	99
32) Carbon tetrachloride	8.07	117	243041	24.891	ug/L	99
34) Benzene	8.32	78	728781	26.020	ug/L	100
35) Trichloroethene	9.09	95	187480	25.304	ug/L	98
36) Methylcyclohexane	9.34	83	332222	26.132	ug/L	99
40) 1,2-Dichloropropane	9.37	63	178582	25.738	ug/L	100
41) Bromodichloromethane	9.65	83	225179	25.130	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	272989	25.833	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	202733	50.059	ug/L	98
44) Toluene	10.39	91	766743	26.102	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	234815	25.636	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	127666	25.587	ug/L	100
47) Tetrachloroethene	10.86	164	144551	25.135	ug/L	90
49) 2-Hexanone	10.97	43	146379	50.933	ug/L	98
50) Dibromochloromethane	11.13	129	144267	24.975	ug/L	97
51) 1,2-Dibromoethane	11.24	107	119919	25.124	ug/L	99
52) Chlorobenzene	11.66	112	477883	25.388	ug/L	99
53) Ethylbenzene	11.73	91	865387	26.198	ug/L	97
54) m,p-Xylene	11.84	106	321435	26.010	ug/L	98
55) o-xylene	12.17	106	309862	26.627	ug/L	99
56) Styrene	12.18	104	531951	26.880	ug/L	99
57) Isopropylbenzene	12.46	105	841984	26.579	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	144667	24.692	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	107945	24.590	ug/L	99
62) Bromoform	12.35	173	78773	24.579	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	359473	25.781	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	350711	24.783	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	321749	25.404	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	22917	24.040	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	255850	26.096	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	211077	27.105	ug/L	97
69) Naphthalene	15.37	128	381676	26.015	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	175746	25.328	ug/L	96

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

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