

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010821\
 Data File : VW017809.D
 Acq On : 08 Jan 2021 17:25
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Jan 08 21:59:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 21:58:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	288043	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	279827	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	147492	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107148	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.16%
7) Chloroethane-d5	2.89	69	99532	27.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.24%
10) 1,1-Dichloroethene-d2	4.03	63	185849	23.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.72%
20) 2-Butanone-d5	7.08	46	50751	70.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.52%#
24) Chloroform-d	7.65	84	206287	27.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.64%
26) 1,2-Dichloroethane-d4	8.31	65	114183	29.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.24%
29) Benzene-d6	8.27	84	389812	24.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.92%
33) 1,2-Dichloropropane-d6	9.27	67	112197	25.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.28%
37) Toluene-d8	10.32	98	386384	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.08%
38) trans-1,3-Dichloropropene-	10.58	79	53313	27.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.12%
39) 2-Hexanone-d5	10.93	63	38667	70.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	141.74%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106736	33.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.36%#
61) 1,2-Dichlorobenzene-d4	13.85	152	134024	26.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	67905	21.352	ug/L 94
3) Chloromethane	2.21	50	59154	20.926	ug/L 100
5) Vinyl chloride	2.37	62	110590	23.125	ug/L 100
6) Bromomethane	2.78	94	92847	26.182	ug/L 98
8) Chloroethane	2.92	64	77299	25.781	ug/L 99
9) Trichlorofluoromethane	3.26	101	74609	19.016	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	86584	23.645	ug/L 99
12) 1,1-Dichloroethene	4.04	96	82350	23.198	ug/L 88
13) Acetone	4.13	43	29745	47.687	ug/L 100
14) Carbon disulfide	4.39	76	232229	21.908	ug/L 99
15) Methyl Acetate	4.67	43	37798	31.265	ug/L 97
16) Methylene chloride	4.92	84	92170	22.376	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	115817	25.743	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	92625	24.190	ug/L 98
19) 1,1-Dichloroethane	6.22	63	165454	25.292	ug/L 98
21) 2-Butanone	7.17	43	50096	59.708	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	99934	24.837	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	45393	26.632	ug/L	94
25) Chloroform	7.68	83	176294	25.611	ug/L	99
27) 1,2-Dichloroethane	8.40	62	123904	27.827	ug/L #	95
30) Cyclohexane	7.96	56	144389	21.678	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	145346	22.581	ug/L	99
32) Carbon tetrachloride	8.07	117	134282	22.112	ug/L	99
34) Benzene	8.32	78	378869	23.680	ug/L	100
35) Trichloroethene	9.09	95	101527	22.925	ug/L	97
36) Methylcyclohexane	9.34	83	173901	22.462	ug/L	100
40) 1,2-Dichloropropane	9.37	63	93911	24.863	ug/L	99
41) Bromodichloromethane	9.65	83	132344	25.597	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	154644	25.657	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	110880	60.424	ug/L	98
44) Toluene	10.39	91	451054	24.723	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	134800	26.263	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	76467	27.237	ug/L	96
47) Tetrachloroethene	10.86	164	81503	23.539	ug/L	97
49) 2-Hexanone	10.97	43	81087	62.282	ug/L	98
50) Dibromochloromethane	11.13	129	90443	27.135	ug/L	97
51) 1,2-Dibromoethane	11.24	107	74910	28.184	ug/L	94
52) Chlorobenzene	11.66	112	285128	25.035	ug/L	97
53) Ethylbenzene	11.73	91	513160	24.790	ug/L	99
54) m,p-Xylene	11.84	106	196172	24.225	ug/L	98
55) o-xylene	12.16	106	185482	24.356	ug/L	96
56) Styrene	12.18	104	321800	25.403	ug/L	98
57) Isopropylbenzene	12.46	105	513803	24.369	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	94719	30.227	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	69247	30.062	ug/L	99
62) Bromoform	12.35	173	47362	26.244	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	221543	24.336	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	224477	24.538	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	199514	24.942	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	14592	27.697	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	150705	24.148	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	129894	25.287	ug/L	99
69) Naphthalene	15.36	128	267348	27.329	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	111490	25.702	ug/L	99

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

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