

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017732.D
 Acq On : 24 Dec 2020 13:03
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Dec 25 07:23:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	382035	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	342845	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185951	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	130196	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.12%
7) Chloroethane-d5	2.89	69	113458	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.04%
10) 1,1-Dichloroethene-d2	4.03	63	243756	23.67	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.68%
20) 2-Butanone-d5	7.08	46	53490	55.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.66%
24) Chloroform-d	7.65	84	246786	24.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	8.30	65	132969	25.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.92%
29) Benzene-d6	8.27	84	468174	24.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.96%
33) 1,2-Dichloropropane-d6	9.27	67	132752	24.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.76%
37) Toluene-d8	10.32	98	447943	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.60%
38) trans-1,3-Dichloropropene-	10.58	79	64370	27.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.52%
39) 2-Hexanone-d5	10.93	63	39849	59.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113062	28.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	157605	24.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	94032	22.293	ug/L 98
3) Chloromethane	2.21	50	84820	22.624	ug/L 97
5) Vinyl chloride	2.37	62	154800	24.406	ug/L 98
6) Bromomethane	2.78	94	121542	25.842	ug/L 97
8) Chloroethane	2.93	64	101200	25.449	ug/L 99
9) Trichlorofluoromethane	3.26	101	113267	21.766	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	124180	25.568	ug/L 99
12) 1,1-Dichloroethene	4.04	96	121615	25.830	ug/L 95
13) Acetone	4.12	43	45680	55.216	ug/L 98
14) Carbon disulfide	4.39	76	370188	26.331	ug/L 98
15) Methyl Acetate	4.67	43	49051	30.591	ug/L 99
16) Methylene chloride	4.92	84	129283	23.664	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	165657	27.762	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	132255	26.042	ug/L 95
19) 1,1-Dichloroethane	6.21	63	230851	26.607	ug/L 99
21) 2-Butanone	7.18	43	64602	58.054	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	141882	26.587	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	63114	27.919	ug/L	93
25) Chloroform	7.68	83	238781	26.155	ug/L	99
27) 1,2-Dichloroethane	8.40	62	163835	27.743	ug/L #	95
30) Cyclohexane	7.96	56	213237	26.130	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	206616	26.199	ug/L	100
32) Carbon tetrachloride	8.07	117	196543	26.416	ug/L	99
34) Benzene	8.32	78	514562	26.249	ug/L	100
35) Trichloroethene	9.09	95	142918	26.339	ug/L	98
36) Methylcyclohexane	9.34	83	249822	26.338	ug/L	100
40) 1,2-Dichloropropane	9.37	63	125679	27.158	ug/L	100
41) Bromodichloromethane	9.65	83	177101	27.958	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	206382	27.947	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	141033	62.729	ug/L	100
44) Toluene	10.39	91	585658	26.200	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	182330	28.994	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	97839	28.443	ug/L	96
47) Tetrachloroethene	10.86	164	109304	25.766	ug/L	97
49) 2-Hexanone	10.97	43	102517	64.268	ug/L	99
50) Dibromochloromethane	11.13	129	119155	29.178	ug/L	95
51) 1,2-Dibromoethane	11.24	107	96793	29.723	ug/L	99
52) Chlorobenzene	11.66	112	368600	26.415	ug/L	98
53) Ethylbenzene	11.73	91	674763	26.605	ug/L	99
54) m,p-Xylene	11.84	106	261507	26.358	ug/L	96
55) o-xylene	12.16	106	250423	26.839	ug/L	95
56) Styrene	12.18	104	425909	27.442	ug/L	98
57) Isopropylbenzene	12.46	105	693668	26.853	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	116841	30.433	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	85088	30.149	ug/L	98
62) Bromoform	12.35	173	66353	29.163	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	296022	25.792	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	292266	25.340	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	267971	26.572	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	19275	29.019	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	198810	25.267	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	167302	25.833	ug/L	96
69) Naphthalene	15.36	128	349603	28.346	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	151472	27.697	ug/L	98

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

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