

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017754.D
 Acq On : 24 Dec 2020 22:41
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Dec 25 07:50:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 07:46:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331952	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	347582	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185251	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125956	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.08%
7) Chloroethane-d5	2.88	69	113961	26.88	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.52%
10) 1,1-Dichloroethene-d2	4.02	63	226418	25.30	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.20%
20) 2-Butanone-d5	7.07	46	60605	72.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	145.60%#
24) Chloroform-d	7.65	84	225760	26.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.12%
26) 1,2-Dichloroethane-d4	8.31	65	127182	28.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.32%
29) Benzene-d6	8.27	84	439051	22.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.68%
33) 1,2-Dichloropropane-d6	9.27	67	130904	24.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.00%
37) Toluene-d8	10.32	98	451659	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.08%
38) trans-1,3-Dichloropropene-	10.58	79	61673	25.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.56%
39) 2-Hexanone-d5	10.92	63	48766	71.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.90%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128136	31.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	127.92%#
61) 1,2-Dichlorobenzene-d4	13.85	152	167337	25.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	76030	20.745	ug/L	97
3) Chloromethane	2.21	50	76888	23.602	ug/L	100
5) Vinyl chloride	2.36	62	140511	25.496	ug/L	98
6) Bromomethane	2.77	94	107796	26.377	ug/L	100
8) Chloroethane	2.92	64	95096	27.522	ug/L	99
9) Trichlorofluoromethane	3.26	101	85375	18.882	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110632	26.216	ug/L	98
12) 1,1-Dichloroethene	4.04	96	107600	26.301	ug/L	88
13) Acetone	4.12	43	34199	47.575	ug/L	95
14) Carbon disulfide	4.39	76	321386	26.308	ug/L	100
15) Methyl Acetate	4.67	43	45014	32.309	ug/L	96
16) Methylene chloride	4.92	84	113556	23.922	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	150642	29.055	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	107322	24.321	ug/L	95
19) 1,1-Dichloroethane	6.21	63	191865	25.450	ug/L	99
21) 2-Butanone	7.17	43	62707	64.853	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	116676	25.163	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	51781	26.362	ug/L #	85
25) Chloroform	7.67	83	203061	25.598	ug/L	99
27) 1,2-Dichloroethane	8.40	62	144397	28.140	ug/L	99
30) Cyclohexane	7.96	56	184671	22.321	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	179640	22.468	ug/L	99
32) Carbon tetrachloride	8.07	117	165885	21.991	ug/L	98
34) Benzene	8.32	78	438715	22.075	ug/L	100
35) Trichloroethene	9.09	95	117400	21.342	ug/L	99
36) Methylcyclohexane	9.34	83	218244	22.695	ug/L	100
40) 1,2-Dichloropropane	9.37	63	113818	24.260	ug/L	99
41) Bromodichloromethane	9.65	83	151954	23.661	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	181480	24.240	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	151228	66.347	ug/L	100
44) Toluene	10.39	91	538369	23.756	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	165067	25.891	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	91806	26.326	ug/L	94
47) Tetrachloroethene	10.86	164	96662	22.475	ug/L	96
49) 2-Hexanone	10.97	43	109573	67.756	ug/L	98
50) Dibromochloromethane	11.13	129	109421	26.429	ug/L	93
51) 1,2-Dibromoethane	11.23	107	91683	27.770	ug/L	90
52) Chlorobenzene	11.66	112	351407	24.840	ug/L	96
53) Ethylbenzene	11.73	91	636862	24.768	ug/L	99
54) m,p-Xylene	11.84	106	245056	24.363	ug/L	99
55) o-xylene	12.16	106	237933	25.153	ug/L	95
56) Styrene	12.18	104	409858	26.048	ug/L	96
57) Isopropylbenzene	12.46	105	649997	24.819	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	120562	30.974	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	88549	30.948	ug/L	98
62) Bromoform	12.35	173	61926	27.320	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	279814	24.472	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	278126	24.205	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	260308	25.909	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	19525	29.506	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	180293	23.001	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	151214	23.437	ug/L	95
69) Naphthalene	15.36	128	349344	28.432	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	138254	25.375	ug/L	98

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

