

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122819\
 Data File : VW014490.D
 Acq On : 28 Dec 2019 11:02
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Dec 30 03:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 28 03:24:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1334981	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1148226	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	542435	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	433740	23.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.20%
7) Chloroethane-d5	2.89	69	348812	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.64%
10) 1,1-Dichloroethene-d2	4.01	63	846301	24.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.32%
20) 2-Butanone-d5	7.07	46	199591	44.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.14%
24) Chloroform-d	7.64	84	771136	25.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.44%
26) 1,2-Dichloroethane-d4	8.30	65	368714	23.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.52%
29) Benzene-d6	8.27	84	1662406	27.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.92%
33) 1,2-Dichloropropane-d6	9.27	67	494519	26.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.76%
37) Toluene-d8	10.32	98	1529177	27.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.52%
38) trans-1,3-Dichloropropene-	10.57	79	196457	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.64%
39) 2-Hexanone-d5	10.92	63	152242	48.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	330612	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	481663	26.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	263570	22.070	ug/L	99
3) Chloromethane	2.21	50	285776	21.166	ug/L	100
5) Vinyl chloride	2.36	62	472883	24.616	ug/L	100
6) Bromomethane	2.78	94	285591	25.459	ug/L	100
8) Chloroethane	2.92	64	276685	25.756	ug/L	97
9) Trichlorofluoromethane	3.26	101	262505	25.834	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	431952	24.763	ug/L	99
12) 1,1-Dichloroethene	4.04	96	439064	25.704	ug/L	95
13) Acetone	4.11	43	268258	43.266	ug/L	99
14) Carbon disulfide	4.38	76	1316181	24.957	ug/L	97
15) Methyl Acetate	4.67	43	181768	21.726	ug/L	99
16) Methylene chloride	4.91	84	448693	20.612	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	549475	24.992	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	458886	25.502	ug/L	99
19) 1,1-Dichloroethane	6.21	63	808804	24.866	ug/L	99
21) 2-Butanone	7.17	43	291348	43.797	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	487000	25.712	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	201064	24.522	ug/L	89
25) Chloroform	7.67	83	763724	24.548	ug/L	100
27) 1,2-Dichloroethane	8.40	62	460380	22.795	ug/L	98
30) Cyclohexane	7.95	56	825544	28.107	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	615604	26.136	ug/L	99
32) Carbon tetrachloride	8.07	117	570779	26.010	ug/L	100
34) Benzene	8.32	78	1844009	26.686	ug/L	100
35) Trichloroethene	9.09	95	476447	26.717	ug/L	99
36) Methylcyclohexane	9.33	83	870217	27.814	ug/L	98
40) 1,2-Dichloropropane	9.37	63	449085	25.678	ug/L	100
41) Bromodichloromethane	9.64	83	527857	25.092	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	695925	26.638	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	502454	44.753	ug/L	99
44) Toluene	10.38	91	1955568	27.082	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	536396	25.677	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	302225	24.397	ug/L	98
47) Tetrachloroethene	10.86	164	401362	26.803	ug/L	98
49) 2-Hexanone	10.96	43	376637	49.126	ug/L	99
50) Dibromochloromethane	11.13	129	354819	25.225	ug/L	94
51) 1,2-Dibromoethane	11.23	107	290916	24.878	ug/L #	99
52) Chlorobenzene	11.65	112	1204204	26.381	ug/L	98
53) Ethylbenzene	11.73	91	2146167	27.032	ug/L	99
54) m,p-Xylene	11.83	106	827415	27.540	ug/L	97
55) o-xylene	12.16	106	777964	27.413	ug/L	99
56) Styrene	12.18	104	1305328	27.328	ug/L	95
57) Isopropylbenzene	12.46	105	2101591	27.840	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	345673	22.982	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	250135	22.200	ug/L	99
62) Bromoform	12.35	173	195587	24.130	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	924833	26.930	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	905924	26.162	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	809322	26.289	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	50522	22.161	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	708345	27.844	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	540628	28.349	ug/L	100
69) Naphthalene	15.36	128	898325	27.286	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	467171	27.034	ug/L	99

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

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