

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121019\
 Data File : VW014275.D
 Acq On : 10 Dec 2019 10:50
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Dec 11 04:04:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 10 15:39:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1200688	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1075238	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	527065	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	425289	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.56%
7) Chloroethane-d5	2.89	69	344103	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.80%
10) 1,1-Dichloroethene-d2	4.02	63	805042	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.28%
20) 2-Butanone-d5	7.07	46	290219	61.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.50%
24) Chloroform-d	7.64	84	801751	26.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.92%
26) 1,2-Dichloroethane-d4	8.31	65	425992	26.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.32%
29) Benzene-d6	8.27	84	1662440	26.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.52%
33) 1,2-Dichloropropane-d6	9.27	67	512677	26.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.76%
37) Toluene-d8	10.32	98	1503803	26.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.56%
38) trans-1,3-Dichloropropene-	10.57	79	217566	26.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.00%
39) 2-Hexanone-d5	10.92	63	231943	60.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	441457	27.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	502716	24.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	279566	24.481	ug/L	98
3) Chloromethane	2.21	50	262720	22.885	ug/L	97
5) Vinyl chloride	2.36	62	447121	26.304	ug/L	93
6) Bromomethane	2.78	94	264701	25.246	ug/L	100
8) Chloroethane	2.92	64	255041	26.263	ug/L	94
9) Trichlorofluoromethane	3.26	101	230375	27.377	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	408065	25.766	ug/L	93
12) 1,1-Dichloroethene	4.04	96	398830	24.874	ug/L	82
13) Acetone	4.12	43	307765	67.372	ug/L	99
14) Carbon disulfide	4.39	76	1231608	25.045	ug/L	100
15) Methyl Acetate	4.67	43	234384	27.126	ug/L	98
16) Methylene chloride	4.92	84	434650	23.614	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	520652	24.624	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	421496	24.547	ug/L	89
19) 1,1-Dichloroethane	6.21	63	773674	25.079	ug/L	100
21) 2-Butanone	7.17	43	377117	61.490	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	448550	24.550	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	198999	23.678	ug/L	86
25) Chloroform	7.67	83	739778	24.677	ug/L	100
27) 1,2-Dichloroethane	8.40	62	494537	25.192	ug/L	96
30) Cyclohexane	7.95	56	736845	27.455	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	569979	26.395	ug/L	97
32) Carbon tetrachloride	8.07	117	535232	26.123	ug/L	100
34) Benzene	8.32	78	1739362	25.548	ug/L	100
35) Trichloroethene	9.09	95	436693	25.069	ug/L	96
36) Methylcyclohexane	9.33	83	787041	26.888	ug/L	96
40) 1,2-Dichloropropane	9.37	63	438065	25.046	ug/L	99
41) Bromodichloromethane	9.64	83	525723	24.733	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	668871	25.536	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	659277	57.162	ug/L	98
44) Toluene	10.38	91	1836138	25.725	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	541137	25.522	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	323514	24.683	ug/L	97
47) Tetrachloroethene	10.86	164	359959	24.793	ug/L	96
49) 2-Hexanone	10.96	43	488873	59.537	ug/L	98
50) Dibromochloromethane	11.13	129	364806	24.800	ug/L	100
51) 1,2-Dibromoethane	11.23	107	315122	25.383	ug/L	98
52) Chlorobenzene	11.65	112	1137309	24.654	ug/L	94
53) Ethylbenzene	11.73	91	2013963	26.004	ug/L	97
54) m,p-Xylene	11.83	106	773132	25.951	ug/L	96
55) o-xylene	12.16	106	726299	25.702	ug/L	99
56) Styrene	12.18	104	1245497	25.764	ug/L	96
57) Isopropylbenzene	12.46	105	1951973	26.607	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	419712	25.801	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	318701	26.366	ug/L	98
62) Bromoform	12.35	173	219749	24.565	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	868394	24.513	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	867939	24.114	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	805518	24.451	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	67463	26.546	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	638261	25.042	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	492736	24.799	ug/L	97
69) Naphthalene	15.36	128	995018	26.629	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	462199	24.805	ug/L	99

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

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