

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012920\
 Data File : VW014790.D
 Acq On : 29 Jan 2020 11:39
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Quant Time: Jan 30 06:56:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 29 15:01:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1009834	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	875747	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	411837	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	379461	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.88%
7) Chloroethane-d5	2.89	69	339684	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.96%
10) 1,1-Dichloroethene-d2	4.02	63	734320	25.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.48%
20) 2-Butanone-d5	7.07	46	173573	38.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.44%
24) Chloroform-d	7.65	84	690284	24.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	8.30	65	343428	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	8.27	84	1425542	25.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.44%
33) 1,2-Dichloropropane-d6	9.27	67	438995	25.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.48%
37) Toluene-d8	10.32	98	1280145	26.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.28%
38) trans-1,3-Dichloropropene-	10.57	79	163212	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.64%
39) 2-Hexanone-d5	10.92	63	131951	41.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	283316	21.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	388292	24.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	281251	22.648	ug/L	99
3) Chloromethane	2.21	50	348751	24.074	ug/L	99
5) Vinyl chloride	2.36	62	526988	25.856	ug/L	97
6) Bromomethane	2.78	94	268991	25.247	ug/L	100
8) Chloroethane	2.92	64	281834	25.524	ug/L	98
9) Trichlorofluoromethane	3.26	101	293368	29.976	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	364397	26.067	ug/L	99
12) 1,1-Dichloroethene	4.04	96	360556	26.155	ug/L	88
13) Acetone	4.12	43	185977	38.234	ug/L	98
14) Carbon disulfide	4.38	76	1154577	25.585	ug/L	99
15) Methyl Acetate	4.67	43	150342	20.711	ug/L	98
16) Methylene chloride	4.91	84	385175	22.570	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	446849	24.522	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	368545	25.876	ug/L	96
19) 1,1-Dichloroethane	6.21	63	690086	25.836	ug/L	99
21) 2-Butanone	7.17	43	216031	39.665	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	380916	25.544	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	152299	23.372	ug/L	97
25) Chloroform	7.67	83	640993	25.720	ug/L	99
27) 1,2-Dichloroethane	8.40	62	397195	24.122	ug/L	99
30) Cyclohexane	7.95	56	697897	29.183	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	526038	27.509	ug/L	99
32) Carbon tetrachloride	8.07	117	492751	27.496	ug/L	100
34) Benzene	8.32	78	1512377	26.965	ug/L	100
35) Trichloroethene	9.09	95	378278	26.548	ug/L	99
36) Methylcyclohexane	9.33	83	705492	28.461	ug/L	99
40) 1,2-Dichloropropane	9.37	63	374085	26.310	ug/L	100
41) Bromodichloromethane	9.64	83	437742	25.760	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	551967	26.579	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	395710	42.325	ug/L	99
44) Toluene	10.38	91	1563412	27.433	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	420865	24.964	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	235115	24.224	ug/L	100
47) Tetrachloroethene	10.86	164	306742	26.944	ug/L	96
49) 2-Hexanone	10.96	43	297561	44.268	ug/L	100
50) Dibromochloromethane	11.13	129	274041	24.746	ug/L	96
51) 1,2-Dibromoethane	11.23	107	217520	23.298	ug/L	98
52) Chlorobenzene	11.65	112	924687	25.984	ug/L	100
53) Ethylbenzene	11.73	91	1731545	27.803	ug/L	100
54) m,p-Xylene	11.84	106	648586	27.859	ug/L	97
55) o-xylene	12.16	106	603136	27.610	ug/L	98
56) Styrene	12.18	104	1014975	27.396	ug/L	98
57) Isopropylbenzene	12.46	105	1655221	27.978	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	268631	21.481	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	197796	21.056	ug/L	98
62) Bromoform	12.35	173	144613	22.369	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	701510	26.384	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	687363	25.795	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	618183	25.562	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	39793	20.062	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	527782	26.800	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	388561	26.586	ug/L	99
69) Naphthalene	15.36	128	649987	24.590	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	341318	25.472	ug/L	98

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

