

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111519\
 Data File : VW014033.D
 Acq On : 15 Nov 2019 11:06
 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: Nov 16 04:00:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 13:09:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	336727	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318006	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	194854	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	131301	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
7) Chloroethane-d5	2.89	69	110615	25.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.60%
10) 1,1-Dichloroethene-d2	4.02	63	265087	24.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.16%
20) 2-Butanone-d5	7.07	46	67628	43.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.66%
24) Chloroform-d	7.65	84	268999	25.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.92%
26) 1,2-Dichloroethane-d4	8.30	65	130746	25.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.48%
29) Benzene-d6	8.27	84	564751	25.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.12%
33) 1,2-Dichloropropane-d6	9.27	67	166015	25.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.48%
37) Toluene-d8	10.32	98	525037	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.16%
38) trans-1,3-Dichloropropene-	10.57	79	69671	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.44%
39) 2-Hexanone-d5	10.93	63	56577	45.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117457	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	180379	23.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	85275	21.294	ug/L	96
3) Chloromethane	2.21	50	75108	21.116	ug/L	96
5) Vinyl chloride	2.36	62	138634	24.962	ug/L	95
6) Bromomethane	2.78	94	85389	24.833	ug/L	99
8) Chloroethane	2.92	64	83736	25.347	ug/L	94
9) Trichlorofluoromethane	3.25	101	77605	20.492	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	137622	24.610	ug/L	98
12) 1,1-Dichloroethene	4.04	96	137941	24.267	ug/L	94
13) Acetone	4.11	43	58954	37.120	ug/L	99
14) Carbon disulfide	4.38	76	394566	24.388	ug/L	99
15) Methyl Acetate	4.66	43	55479	21.590	ug/L	98
16) Methylene chloride	4.92	84	146158	22.546	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	165016	22.502	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	146148	24.655	ug/L	98
19) 1,1-Dichloroethane	6.21	63	253879	25.427	ug/L	99
21) 2-Butanone	7.17	43	79159	38.796	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	155519	24.932	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68031	24.846	ug/L	91
25) Chloroform	7.67	83	253478	25.851	ug/L	100
27) 1,2-Dichloroethane	8.40	62	151688	25.552	ug/L	97
30) Cyclohexane	7.95	56	242990	23.877	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	200448	25.152	ug/L	99
32) Carbon tetrachloride	8.06	117	194547	25.430	ug/L	100
34) Benzene	8.32	78	586826	25.158	ug/L	100
35) Trichloroethene	9.09	95	152520	24.512	ug/L	99
36) Methylcyclohexane	9.33	83	268231	24.043	ug/L	100
40) 1,2-Dichloropropane	9.37	63	142062	25.300	ug/L	100
41) Bromodichloromethane	9.64	83	176985	26.072	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	222163	25.071	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	156500	42.213	ug/L	100
44) Toluene	10.38	91	634880	24.964	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	172258	24.582	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	98447	23.861	ug/L	99
47) Tetrachloroethene	10.86	164	138211	24.921	ug/L	97
49) 2-Hexanone	10.96	43	112347	42.032	ug/L	97
50) Dibromochloromethane	11.13	129	123231	25.411	ug/L	100
51) 1,2-Dibromoethane	11.23	107	94001	23.482	ug/L #	93
52) Chlorobenzene	11.65	112	395046	24.778	ug/L	96
53) Ethylbenzene	11.73	91	698353	25.024	ug/L	100
54) m,p-Xylene	11.84	106	273835	25.249	ug/L	96
55) o-xylene	12.16	106	258698	25.472	ug/L	98
56) Styrene	12.18	104	441371	25.726	ug/L	100
57) Isopropylbenzene	12.46	105	703649	25.199	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	112294	23.313	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	80942	22.343	ug/L	99
62) Bromoform	12.35	173	72717	22.772	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	321845	23.524	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	321607	23.791	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	284719	23.500	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	17288	20.953	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	252210	24.188	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	190573	23.244	ug/L	99
69) Naphthalene	15.36	128	310692	21.331	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	167400	23.136	ug/L	98

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

