

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021120\
 Data File : VW014955.D
 Acq On : 11 Feb 2020 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Feb 12 00:11:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 17:22:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	733398	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	679774	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	314009	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	318951	26.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.08%
7) Chloroethane-d5	2.89	69	263667	27.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.48%
10) 1,1-Dichloroethene-d2	4.02	63	604800	27.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.04%
20) 2-Butanone-d5	7.07	46	177810	52.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.36%
24) Chloroform-d	7.65	84	576116	27.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.68%
26) 1,2-Dichloroethane-d4	8.31	65	327371	28.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.64%
29) Benzene-d6	8.27	84	1126286	25.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.04%
33) 1,2-Dichloropropane-d6	9.27	67	385120	27.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.16%
37) Toluene-d8	10.32	98	971901	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.04%
38) trans-1,3-Dichloropropene-	10.57	79	139453	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.16%
39) 2-Hexanone-d5	10.92	63	128516	49.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	274510	25.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	274256	22.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	190613	25.281	ug/L 85
3) Chloromethane	2.21	50	327223	28.641	ug/L 100
5) Vinyl chloride	2.37	62	435127	29.168	ug/L 100
6) Bromomethane	2.78	94	193714	25.969	ug/L 99
8) Chloroethane	2.93	64	234708	28.756	ug/L 97
9) Trichlorofluoromethane	3.26	101	195558	32.429	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	302813	28.447	ug/L 92
12) 1,1-Dichloroethene	4.04	96	274986	26.432	ug/L 88
13) Acetone	4.12	43	183533	52.183	ug/L 95
14) Carbon disulfide	4.39	76	883539	28.285	ug/L 100
15) Methyl Acetate	4.67	43	165732	28.635	ug/L 95
16) Methylene chloride	4.92	84	313991	23.500	ug/L 87
17) Methyl tert-butyl Ether	5.43	73	342896	25.229	ug/L 95
18) trans-1,2-Dichloroethene	5.42	96	277744	26.349	ug/L 88
19) 1,1-Dichloroethane	6.21	63	640437	29.990	ug/L 99
21) 2-Butanone	7.17	43	224531	54.526	ug/L 95
22) cis-1,2-Dichloroethene	7.17	96	296937	26.044	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	117425	25.103	ug/L	84
25) Chloroform	7.67	83	579459	29.539	ug/L	99
27) 1,2-Dichloroethane	8.40	62	402877	29.789	ug/L	97
30) Cyclohexane	7.96	56	594022	29.328	ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	441722	28.498	ug/L	96
32) Carbon tetrachloride	8.07	117	398837	28.625	ug/L	98
34) Benzene	8.32	78	1323876	28.322	ug/L	100
35) Trichloroethene	9.09	95	309112	26.678	ug/L	94
36) Methylcyclohexane	9.34	83	557951	27.644	ug/L	92
40) 1,2-Dichloropropane	9.37	63	368309	29.443	ug/L	99
41) Bromodichloromethane	9.64	83	408159	28.470	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	487494	27.445	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	461177	56.224	ug/L	95
44) Toluene	10.38	91	1330881	28.045	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	398619	27.867	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	212846	25.847	ug/L	97
47) Tetrachloroethene	10.86	164	203081	23.853	ug/L	97
49) 2-Hexanone	10.96	43	327940	56.918	ug/L	95
50) Dibromochloromethane	11.13	129	226991	25.648	ug/L	100
51) 1,2-Dibromoethane	11.23	107	187047	24.412	ug/L	99
52) Chlorobenzene	11.65	112	742022	25.575	ug/L	94
53) Ethylbenzene	11.73	91	1461245	28.147	ug/L	97
54) m,p-Xylene	11.84	106	514231	27.118	ug/L	92
55) o-xylene	12.16	106	480781	26.640	ug/L	90
56) Styrene	12.18	104	852603	27.952	ug/L	93
57) Isopropylbenzene	12.46	105	1348345	27.819	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	275783	26.831	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	207404	26.821	ug/L	98
62) Bromoform	12.35	173	114300	23.878	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	527999	24.893	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	530186	24.814	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	484982	24.998	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	43094	26.051	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	365885	24.085	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	281422	23.447	ug/L	99
69) Naphthalene	15.36	128	559699	23.706	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	260604	23.515	ug/L	98

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

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