

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031220\
 Data File : VW015115.D
 Acq On : 12 Mar 2020 10:17
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Mar 13 02:09:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 12 17:45:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	748233	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	664187	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	290338	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	338352	18.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.32%
7) Chloroethane-d5	2.89	69	287514	21.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.24%
10) 1,1-Dichloroethene-d2	4.03	63	705860	24.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.92%
20) 2-Butanone-d5	7.07	46	172299	55.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.16%
24) Chloroform-d	7.65	84	631436	25.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	8.31	65	350555	25.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.96%
29) Benzene-d6	8.27	84	1232438	27.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.00%
33) 1,2-Dichloropropane-d6	9.27	67	413468	27.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.24%
37) Toluene-d8	10.32	98	1080799	28.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.56%
38) trans-1,3-Dichloropropene-	10.57	79	155605	27.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.20%
39) 2-Hexanone-d5	10.92	63	123732	61.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	274430	27.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	286283	26.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	151752	23.769 ug/L	98
3) Chloromethane	2.22	50	269631	18.423 ug/L	98
5) Vinyl chloride	2.37	62	392672	20.736 ug/L	100
6) Bromomethane	2.78	94	193074	22.712 ug/L	100
8) Chloroethane	2.93	64	233367	22.649 ug/L	96
9) Trichlorofluoromethane	3.26	101	230207	26.975 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	300689	25.582 ug/L	99
12) 1,1-Dichloroethene	4.04	96	282477	25.243 ug/L	91
13) Acetone	4.12	43	175359	47.393 ug/L	98
14) Carbon disulfide	4.39	76	957174	22.858 ug/L	99
15) Methyl Acetate	4.67	43	152264	24.439 ug/L	98
16) Methylene chloride	4.92	84	315524	22.783 ug/L	92
17) Methyl tert-butyl Ether	5.43	73	365415	26.978 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	296003	25.603 ug/L	97
19) 1,1-Dichloroethane	6.21	63	657116	25.484 ug/L	97
21) 2-Butanone	7.17	43	213789	49.136 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	311698	26.492 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	113696	24.841	ug/L	95
25) Chloroform	7.67	83	582638	24.898	ug/L	98
27) 1,2-Dichloroethane	8.40	62	410701	25.651	ug/L	98
30) Cyclohexane	7.96	56	635618	28.623	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	455555	26.595	ug/L	98
32) Carbon tetrachloride	8.07	117	402680	26.234	ug/L	99
34) Benzene	8.32	78	1353978	27.404	ug/L	100
35) Trichloroethene	9.09	95	318045	26.611	ug/L	99
36) Methylcyclohexane	9.34	83	602259	29.346	ug/L	97
40) 1,2-Dichloropropane	9.37	63	363929	26.521	ug/L	100
41) Bromodichloromethane	9.64	83	410090	26.642	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	516283	28.873	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	446258	58.144	ug/L	99
44) Toluene	10.38	91	1379265	28.744	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	409267	28.319	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	205169	26.570	ug/L	99
47) Tetrachloroethene	10.86	164	206355	26.790	ug/L	96
49) 2-Hexanone	10.97	43	315339	56.673	ug/L	99
50) Dibromochloromethane	11.13	129	220101	26.783	ug/L	97
51) 1,2-Dibromoethane	11.23	107	181576	26.981	ug/L	93
52) Chlorobenzene	11.65	112	762158	27.005	ug/L	99
53) Ethylbenzene	11.73	91	1511602	28.837	ug/L	98
54) m,p-Xylene	11.83	106	532307	29.025	ug/L	97
55) o-xylene	12.16	106	503255	29.450	ug/L	95
56) Styrene	12.18	104	858210	29.322	ug/L	97
57) Isopropylbenzene	12.46	105	1391026	29.890	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	257605	26.440	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	193727	25.870	ug/L	100
62) Bromoform	12.35	173	103700	25.411	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	514941	27.187	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	515396	26.429	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	463765	27.036	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	38762	25.595	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	345211	27.179	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	256664	27.649	ug/L	99
69) Naphthalene	15.36	128	223868	27.166	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	228182	27.387	ug/L	99

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

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