

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072820\
 Data File : VW015974.D
 Acq On : 28 Jul 2020 09:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Quant Time: Jul 29 04:34:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 28 22:34:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	430584	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	396864	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	191383	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	113050	18.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.44%
7) Chloroethane-d5	2.90	69	107523	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.16%
10) 1,1-Dichloroethene-d2	4.02	63	271422	22.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.40%
20) 2-Butanone-d5	7.09	46	88011	55.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.28%
24) Chloroform-d	7.65	84	277680	22.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.84%
26) 1,2-Dichloroethane-d4	8.30	65	148470	22.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.44%
29) Benzene-d6	8.27	84	542176	22.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.76%
33) 1,2-Dichloropropane-d6	9.27	67	166221	22.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.80%
37) Toluene-d8	10.32	98	469935	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.92%
38) trans-1,3-Dichloropropene-	10.58	79	67653	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.68%
39) 2-Hexanone-d5	10.93	63	68229	56.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	143229	25.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	169091	22.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	94295	25.880	ug/L 94
3) Chloromethane	2.21	50	121614	27.598	ug/L 98
5) Vinyl chloride	2.37	62	176155	25.918	ug/L 100
6) Bromomethane	2.79	94	102910	25.380	ug/L 100
8) Chloroethane	2.93	64	107038	26.884	ug/L 99
9) Trichlorofluoromethane	3.26	101	134943	29.538	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	153507	27.488	ug/L 99
12) 1,1-Dichloroethene	4.04	96	150851	27.254	ug/L 94
13) Acetone	4.14	43	89629	66.872	ug/L 97
14) Carbon disulfide	4.38	76	455198	26.040	ug/L 100
15) Methyl Acetate	4.68	43	75435	29.850	ug/L 99
16) Methylene chloride	4.92	84	170190	24.121	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	225079	28.756	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	156786	26.824	ug/L 98
19) 1,1-Dichloroethane	6.22	63	293549	27.253	ug/L 98
21) 2-Butanone	7.18	43	108807	65.649	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	167922	27.459	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	74551	27.801	ug/L	98
25) Chloroform	7.68	83	288954	27.068	ug/L	99
27) 1,2-Dichloroethane	8.40	62	190967	26.290	ug/L #	95
30) Cyclohexane	7.96	56	266720	26.654	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	243632	26.291	ug/L	99
32) Carbon tetrachloride	8.07	117	220555	26.247	ug/L	100
34) Benzene	8.32	78	652859	27.085	ug/L	100
35) Trichloroethene	9.09	95	168923	26.492	ug/L	98
36) Methylcyclohexane	9.34	83	292323	26.718	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162904	27.281	ug/L	99
41) Bromodichloromethane	9.65	83	203671	26.411	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	250189	27.510	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	208343	59.776	ug/L	99
44) Toluene	10.39	91	689679	27.281	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	218228	27.684	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	121230	28.233	ug/L	99
47) Tetrachloroethene	10.87	164	131248	26.518	ug/L	95
49) 2-Hexanone	10.97	43	154934	62.641	ug/L	97
50) Dibromochloromethane	11.13	129	137933	27.746	ug/L	97
51) 1,2-Dibromoethane	11.24	107	114934	27.980	ug/L	97
52) Chlorobenzene	11.66	112	429665	26.524	ug/L	99
53) Ethylbenzene	11.73	91	769573	27.071	ug/L	98
54) m,p-Xylene	11.84	106	287411	27.023	ug/L	97
55) o-xylene	12.17	106	274041	27.364	ug/L	98
56) Styrene	12.18	104	474381	27.854	ug/L	99
57) Isopropylbenzene	12.47	105	741287	27.191	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	147228	29.199	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	110177	29.164	ug/L	99
62) Bromoform	12.35	173	79238	28.145	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	324148	26.464	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	329747	26.526	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	290505	26.110	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	24274	28.986	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	234244	27.198	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	189238	27.663	ug/L	99
69) Naphthalene	15.37	128	387512	30.068	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	169956	27.883	ug/L	97

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

