

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082020\
 Data File : VW016260.D
 Acq On : 20 Aug 2020 10:30
 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: Aug 21 03:24:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	380773	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	347915	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164891	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	88490	18.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.96%
7) Chloroethane-d5	2.89	69	73983	20.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.60%
10) 1,1-Dichloroethene-d2	4.01	63	227711	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.84%
20) 2-Butanone-d5	7.08	46	61101	49.19	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.38%
24) Chloroform-d	7.65	84	245679	24.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.16%
26) 1,2-Dichloroethane-d4	8.31	65	125578	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.56%
29) Benzene-d6	8.27	84	468173	24.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.96%
33) 1,2-Dichloropropane-d6	9.27	67	135871	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.64%
37) Toluene-d8	10.32	98	432347	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.64%
38) trans-1,3-Dichloropropene-	10.58	79	62150	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.40%
39) 2-Hexanone-d5	10.93	63	52640	54.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121520	26.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	155181	26.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	100529	26.135	ug/L	98
3) Chloromethane	2.21	50	83171	21.773	ug/L	98
5) Vinyl chloride	2.37	62	120068	23.683	ug/L	98
6) Bromomethane	2.78	94	75281	23.709	ug/L	99
8) Chloroethane	2.93	64	70080	24.548	ug/L	98
9) Trichlorofluoromethane	3.26	101	110703	30.591	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	134161	26.233	ug/L	95
12) 1,1-Dichloroethene	4.03	96	130452	26.693	ug/L	89
13) Acetone	4.13	43	48825	51.956	ug/L	91
14) Carbon disulfide	4.37	76	398039	25.947	ug/L	99
15) Methyl Acetate	4.67	43	49602	22.449	ug/L	94
16) Methylene chloride	4.91	84	135768	22.581	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	183151	26.446	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	135191	26.298	ug/L	91
19) 1,1-Dichloroethane	6.21	63	223905	24.617	ug/L	97
21) 2-Butanone	7.17	43	68392	45.920	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	140377	25.885	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65605	26.358	ug/L	90
25) Chloroform	7.68	83	239726	24.773	ug/L	100
27) 1,2-Dichloroethane	8.40	62	146781	22.771	ug/L	97
30) Cyclohexane	7.96	56	200612	26.501	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	214463	26.826	ug/L	98
32) Carbon tetrachloride	8.07	117	201567	26.658	ug/L	98
34) Benzene	8.32	78	531580	26.495	ug/L	100
35) Trichloroethene	9.09	95	141716	26.269	ug/L	96
36) Methylcyclohexane	9.34	83	240170	27.025	ug/L	97
40) 1,2-Dichloropropane	9.37	63	124785	25.327	ug/L	100
41) Bromodichloromethane	9.65	83	172442	25.478	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	201024	26.791	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	141021	47.587	ug/L	96
44) Toluene	10.39	91	580685	27.418	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	176846	26.237	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	101163	26.084	ug/L	97
47) Tetrachloroethene	10.87	164	116616	28.835	ug/L	94
49) 2-Hexanone	10.97	43	99437	49.728	ug/L	96
50) Dibromochloromethane	11.13	129	118663	25.978	ug/L	99
51) 1,2-Dibromoethane	11.24	107	95013	25.842	ug/L	98
52) Chlorobenzene	11.66	112	371559	26.515	ug/L	95
53) Ethylbenzene	11.73	91	639782	26.625	ug/L	98
54) m,p-Xylene	11.84	106	255647	28.283	ug/L	97
55) o-xylene	12.17	106	238216	27.979	ug/L	98
56) Styrene	12.18	104	406539	27.580	ug/L	98
57) Isopropylbenzene	12.46	105	649566	28.297	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	116113	25.660	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	84526	24.656	ug/L	100
62) Bromoform	12.35	173	66647	26.729	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	284612	27.328	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	284451	26.811	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	259145	27.139	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	19014	22.709	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	189481	28.834	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	152946	28.716	ug/L	99
69) Naphthalene	15.37	128	313356	27.873	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	137964	28.512	ug/L	96

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

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