

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092120\
 Data File : VW016591.D
 Acq On : 21 Sep 2020 11:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Sep 21 17:57:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 11:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	654561	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	568792	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	290404	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123802	19.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.16%
7) Chloroethane-d5	2.90	69	108444	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.84%
10) 1,1-Dichloroethene-d2	4.03	63	296611	20.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.76%
20) 2-Butanone-d5	7.08	46	75496	43.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.42%
24) Chloroform-d	7.65	84	324869	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	160427	22.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.28%
29) Benzene-d6	8.27	84	559929	21.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.80%
33) 1,2-Dichloropropane-d6	9.27	67	162373	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
37) Toluene-d8	10.32	98	503279	20.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.20%
38) trans-1,3-Dichloropropene-	10.58	79	81583	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.64%
39) 2-Hexanone-d5	10.93	63	61418	48.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144803	24.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	210824	22.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	210064	25.978	ug/L 96
3) Chloromethane	2.22	50	151696	25.638	ug/L 95
5) Vinyl chloride	2.37	62	225629	25.842	ug/L 98
6) Bromomethane	2.79	94	162182	24.480	ug/L 99
8) Chloroethane	2.93	64	133239	25.796	ug/L 99
9) Trichlorofluoromethane	3.27	101	204372	23.216	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	216364	25.656	ug/L 98
12) 1,1-Dichloroethene	4.04	96	213203	25.715	ug/L 96
13) Acetone	4.13	43	57457	42.463	ug/L 100
14) Carbon disulfide	4.39	76	628557	25.129	ug/L 100
15) Methyl Acetate	4.68	43	70928	23.020	ug/L 99
16) Methylene chloride	4.92	84	205981	20.403	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	264223	23.267	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	223567	26.038	ug/L 98
19) 1,1-Dichloroethane	6.22	63	348499	25.666	ug/L 98
21) 2-Butanone	7.18	43	88009	38.231	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	229158	25.723	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	109030	25.174	ug/L	99
25) Chloroform	7.68	83	380483	25.702	ug/L	99
27) 1,2-Dichloroethane	8.40	62	237894	25.045	ug/L	99
30) Cyclohexane	7.96	56	321503	25.866	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	350730	26.402	ug/L	99
32) Carbon tetrachloride	8.07	117	340542	26.386	ug/L	100
34) Benzene	8.32	78	799376	26.221	ug/L	100
35) Trichloroethene	9.09	95	232091	26.313	ug/L	99
36) Methylcyclohexane	9.34	83	390203	26.081	ug/L	99
40) 1,2-Dichloropropane	9.37	63	183030	25.813	ug/L	100
41) Bromodichloromethane	9.65	83	278742	26.528	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	318713	26.315	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	203643	45.204	ug/L	99
44) Toluene	10.39	91	911900	26.601	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	276762	26.264	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	151658	25.389	ug/L	98
47) Tetrachloroethene	10.87	164	210819	26.469	ug/L	92
49) 2-Hexanone	10.97	43	138085	48.298	ug/L	99
50) Dibromochloromethane	11.13	129	201659	25.857	ug/L	98
51) 1,2-Dibromoethane	11.24	107	149890	25.062	ug/L	94
52) Chlorobenzene	11.66	112	597395	25.943	ug/L	99
53) Ethylbenzene	11.73	91	1036572	26.633	ug/L	96
54) m,p-Xylene	11.84	106	403713	26.490	ug/L	97
55) o-xylene	12.17	106	382143	26.173	ug/L	99
56) Styrene	12.18	104	644271	26.574	ug/L	98
57) Isopropylbenzene	12.46	105	1059984	26.569	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	166202	24.881	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	119441	24.006	ug/L	100
62) Bromoform	12.35	173	119051	24.305	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	489587	25.919	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	485500	26.246	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	436504	25.862	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	28231	23.335	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	362239	26.222	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	309941	27.735	ug/L	98
69) Naphthalene	15.36	128	536050	27.059	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	258680	26.914	ug/L	99

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

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