

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071420\
 Data File : VW015857.D
 Acq On : 14 Jul 2020 14:18
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 10:31:55 AM

Quant Time: Jul 15 07:25:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 15 06:37:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	312530	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	312005	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163259	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	125415	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.80%
7) Chloroethane-d5	2.90	69	128294	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.80%
10) 1,1-Dichloroethene-d2	4.01	63	152360	20.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.52%
20) 2-Butanone-d5	7.09	46	38857	46.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.18%
24) Chloroform-d	7.65	84	203653	23.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	8.31	65	110303	24.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.44%
29) Benzene-d6	8.27	84	411419	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	9.27	67	112222	22.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.08%
37) Toluene-d8	10.32	98	403216	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.12%
38) trans-1,3-Dichloropropene-	10.58	79	49117	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.32%
39) 2-Hexanone-d5	10.93	63	34876	49.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98311	24.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	151469	24.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	40813	19.954	ug/L 99
3) Chloromethane	2.21	50	83044	24.480	ug/L 96
5) Vinyl chloride	2.37	62	147959	25.117	ug/L 98
6) Bromomethane	2.79	94	124555	23.235	ug/L 99
8) Chloroethane	2.93	64	107310	25.008	ug/L 99
9) Trichlorofluoromethane	3.26	101	148230	25.461	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	76715	22.053	ug/L 98
12) 1,1-Dichloroethene	4.03	96	73717	22.452	ug/L 92
13) Acetone	4.13	43	28768	45.232	ug/L 100
14) Carbon disulfide	4.38	76	241913	22.261	ug/L 99
15) Methyl Acetate	4.68	43	30288	23.213	ug/L 99
16) Methylene chloride	4.92	84	97372	23.509	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	124615m	24.815	ug/L
18) trans-1,2-Dichloroethene	5.43	96	97406	24.154	ug/L 97
19) 1,1-Dichloroethane	6.21	63	171115	24.497	ug/L 99
21) 2-Butanone	7.17	43	42327	48.977	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	105673	25.008	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	48974	25.932	ug/L	94
25) Chloroform	7.68	83	188969	24.871	ug/L	99
27) 1,2-Dichloroethane	8.40	62	125474	25.280	ug/L	99
30) Cyclohexane	7.96	56	157310	24.701	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	170192	24.677	ug/L	100
32) Carbon tetrachloride	8.07	117	160281	24.835	ug/L	100
34) Benzene	8.32	78	439973	25.339	ug/L	100
35) Trichloroethene	9.09	95	117366	24.896	ug/L	98
36) Methylcyclohexane	9.34	83	202493	25.091	ug/L	99
40) 1,2-Dichloropropane	9.37	63	102071	24.718	ug/L	100
41) Bromodichloromethane	9.65	83	141122	25.067	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	161524	26.050	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	97921	50.434	ug/L	99
44) Toluene	10.39	91	501394	25.654	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	141062	25.576	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	82169	25.700	ug/L	94
47) Tetrachloroethene	10.87	164	101413	26.431	ug/L	100
49) 2-Hexanone	10.97	43	68982	50.128	ug/L	98
50) Dibromochloromethane	11.13	129	101092	26.367	ug/L	94
51) 1,2-Dibromoethane	11.24	107	79363	26.089	ug/L	100
52) Chlorobenzene	11.66	112	335754	26.153	ug/L	98
53) Ethylbenzene	11.73	91	577268	26.080	ug/L	99
54) m,p-Xylene	11.84	106	225269	26.522	ug/L	96
55) o-xylene	12.17	106	216832	26.859	ug/L	100
56) Styrene	12.18	104	367790	27.040	ug/L	100
57) Isopropylbenzene	12.46	105	596535	26.941	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	95686	26.259	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	68433	25.568	ug/L	100
62) Bromoform	12.35	173	55147	25.012	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	269309	26.197	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	269888	25.917	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	239396	25.700	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.49	75	13789	23.944	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	181223	26.444	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	138834	25.944	ug/L	96
69) Naphthalene	15.37	128	264065	27.698	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	127612	26.728	ug/L	98

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

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