

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017296.D
 Acq On : 17 Nov 2020 19:05
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:09:44 AM

Quant Time: Nov 18 04:49:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 02:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	398883	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	365372	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194089	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	99862	19.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.52%
7) Chloroethane-d5	2.89	69	93853	24.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.96%
10) 1,1-Dichloroethene-d2	4.03	63	204057	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.84%
20) 2-Butanone-d5	7.08	46	55291	49.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.42%
24) Chloroform-d	7.65	84	258724	27.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.12%
26) 1,2-Dichloroethane-d4	8.31	65	126316	27.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.16%
29) Benzene-d6	8.27	84	467090	25.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.40%
33) 1,2-Dichloropropane-d6	9.28	67	136581	26.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.16%
37) Toluene-d8	10.32	98	444720	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.40%
38) trans-1,3-Dichloropropene-	10.58	79	56954	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.20%
39) 2-Hexanone-d5	10.93	63	45215	50.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117280	26.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	176048	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	91479	22.858	ug/L	98
3) Chloromethane	2.21	50	82655	22.756	ug/L	100
5) Vinyl chloride	2.37	62	134865	25.316	ug/L	98
6) Bromomethane	2.79	94	99065	26.890	ug/L	97
8) Chloroethane	2.93	64	89213	27.755	ug/L	98
9) Trichlorofluoromethane	3.27	101	118857	27.433	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	136290	26.471	ug/L	99
12) 1,1-Dichloroethene	4.04	96	126177	25.487	ug/L	94
13) Acetone	4.12	43	36135	48.033	ug/L	94
14) Carbon disulfide	4.39	76	294311	21.845	ug/L	100
15) Methyl Acetate	4.68	43	40539m	21.741	ug/L	
16) Methylene chloride	4.92	84	135406	25.179	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	166743	27.582	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	132896	25.932	ug/L	95
19) 1,1-Dichloroethane	6.22	63	224212	27.615	ug/L	98
21) 2-Butanone	7.17	43	52248	43.254	ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	145789	26.906	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	69632	26.691	ug/L	95
25) Chloroform	7.68	83	256150	28.978	ug/L	98
27) 1,2-Dichloroethane	8.40	62	149579	28.237	ug/L	97
30) Cyclohexane	7.96	56	165909	24.117	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	213151	28.487	ug/L	98
32) Carbon tetrachloride	8.07	117	202535	28.052	ug/L	99
34) Benzene	8.32	78	513134	26.746	ug/L	100
35) Trichloroethene	9.10	95	142892	26.588	ug/L	99
36) Methylcyclohexane	9.34	83	220589	25.507	ug/L	98
40) 1,2-Dichloropropane	9.37	63	121020	26.984	ug/L	99
41) Bromodichloromethane	9.65	83	178496	28.777	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	193368	27.221	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	119873	43.323	ug/L	98
44) Toluene	10.39	91	581798	27.550	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	168577	27.633	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	99988	25.858	ug/L	98
47) Tetrachloroethene	10.87	164	128085	26.415	ug/L	98
49) 2-Hexanone	10.97	43	77713	46.586	ug/L	100
50) Dibromochloromethane	11.13	129	127195	27.000	ug/L	97
51) 1,2-Dibromoethane	11.24	107	95061	25.305	ug/L	99
52) Chlorobenzene	11.66	112	394678	27.632	ug/L	98
53) Ethylbenzene	11.73	91	664915	28.188	ug/L	98
54) m,p-Xylene	11.84	106	257347	27.890	ug/L	97
55) o-xylene	12.17	106	252921	28.879	ug/L	95
56) Styrene	12.18	104	432489	29.412	ug/L	95
57) Isopropylbenzene	12.46	105	694560	29.222	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	111217	24.898	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	77907	24.264	ug/L	100
62) Bromoform	12.35	173	72306	24.269	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	330295	27.357	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	336807	27.766	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	300695	27.617	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16744	23.260	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	250910	28.202	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	206685	29.111	ug/L	99
69) Naphthalene	15.37	128	345260	26.425	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	183834	28.338	ug/L	99

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

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