

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112020\
 Data File : VW017405.D
 Acq On : 20 Nov 2020 09:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Nov 21 00:22:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 20 09:29:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	371224	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	335657	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	178914	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	117284	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.36%
7) Chloroethane-d5	2.89	69	101566	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
10) 1,1-Dichloroethene-d2	4.02	63	215253	22.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.56%
20) 2-Butanone-d5	7.09	46	38911	43.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.22%
24) Chloroform-d	7.65	84	227563	23.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.32%
26) 1,2-Dichloroethane-d4	8.31	65	111891	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.00%
29) Benzene-d6	8.27	84	440413	23.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.12%
33) 1,2-Dichloropropane-d6	9.27	67	121240	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.20%
37) Toluene-d8	10.32	98	417908	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.84%
38) trans-1,3-Dichloropropene-	10.58	79	51978	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.72%
39) 2-Hexanone-d5	10.93	63	31404	46.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92484	24.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	152234	23.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	74562	21.617	ug/L 95
3) Chloromethane	2.21	50	93342	24.886	ug/L 98
5) Vinyl chloride	2.36	62	144845	26.294	ug/L 99
6) Bromomethane	2.79	94	103115	24.929	ug/L 98
8) Chloroethane	2.93	64	93301	27.061	ug/L 100
9) Trichlorofluoromethane	3.26	101	124512	25.403	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	130971	25.747	ug/L 98
12) 1,1-Dichloroethene	4.04	96	124731	25.530	ug/L 90
13) Acetone	4.16	43	28263	42.919	ug/L 92
14) Carbon disulfide	4.38	76	367550	25.612	ug/L 99
15) Methyl Acetate	4.68	43	34218	23.726	ug/L 100
16) Methylene chloride	4.92	84	126451	19.914	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	144836	25.159	ug/L # 90
18) trans-1,2-Dichloroethene	5.43	96	132254	25.292	ug/L 98
19) 1,1-Dichloroethane	6.21	63	207937	25.996	ug/L 99
21) 2-Butanone	7.18	43	43833	43.421	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	132722	24.991	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64493	25.882	ug/L	94
25) Chloroform	7.68	83	228269	25.517	ug/L	99
27) 1,2-Dichloroethane	8.40	62	133323	25.717	ug/L	98
30) Cyclohexane	7.96	56	175636	26.111	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	201862	25.697	ug/L	99
32) Carbon tetrachloride	8.07	117	195687	26.100	ug/L	99
34) Benzene	8.32	78	490452	25.865	ug/L	100
35) Trichloroethene	9.09	95	135507	25.263	ug/L	99
36) Methylcyclohexane	9.34	83	229801	26.814	ug/L	99
40) 1,2-Dichloropropane	9.37	63	110939	25.865	ug/L	99
41) Bromodichloromethane	9.65	83	156119	25.917	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	177444	26.656	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	98975	46.492	ug/L	100
44) Toluene	10.39	91	551068	26.199	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	149071	26.431	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	87284	25.832	ug/L	98
47) Tetrachloroethene	10.87	164	125091	25.722	ug/L	99
49) 2-Hexanone	10.97	43	65177	50.868	ug/L	98
50) Dibromochloromethane	11.13	129	112948	26.143	ug/L	95
51) 1,2-Dibromoethane	11.24	107	84227	25.412	ug/L	97
52) Chlorobenzene	11.66	112	356918	25.483	ug/L	98
53) Ethylbenzene	11.73	91	617548	26.182	ug/L	96
54) m,p-Xylene	11.84	106	240922	26.507	ug/L	88
55) o-xylene	12.16	106	226000	26.203	ug/L	91
56) Styrene	12.18	104	389344	27.230	ug/L	99
57) Isopropylbenzene	12.46	105	623286	26.388	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	94501	25.820	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	66369	25.111	ug/L	99
62) Bromoform	12.35	173	62407	24.790	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	281347	24.130	ug/L	87
64) 1,4-Dichlorobenzene	13.58	146	293847	25.543	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	261197	25.774	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	13723	24.296	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	218425	25.749	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	174338	26.780	ug/L	99
69) Naphthalene	15.36	128	249481	26.692	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	147771	25.801	ug/L	97

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

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