

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061820\
 Data File : VW015636.D
 Acq On : 18 Jun 2020 15:24
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Jun 19 07:33:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 07:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	328252	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	308319	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156747	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	53095	17.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.60%
7) Chloroethane-d5	2.90	69	66000	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.24%
10) 1,1-Dichloroethene-d2	4.02	63	142491	19.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.76%
20) 2-Butanone-d5	7.09	46	54848	55.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.70%
24) Chloroform-d	7.65	84	171031	22.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.12%
26) 1,2-Dichloroethane-d4	8.31	65	97731	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.56%
29) Benzene-d6	8.27	84	313274	20.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.88%
33) 1,2-Dichloropropane-d6	9.27	67	98756	21.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.96%
37) Toluene-d8	10.32	98	305348	20.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.08%
38) trans-1,3-Dichloropropene-	10.58	79	41326	19.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.76%
39) 2-Hexanone-d5	10.93	63	44818	56.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93115	26.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	116853	22.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	62812	21.660	ug/L 98
3) Chloromethane	2.22	50	58401	18.294	ug/L 99
5) Vinyl chloride	2.37	62	103798	21.621	ug/L 99
6) Bromomethane	2.79	94	67214	21.541	ug/L 100
8) Chloroethane	2.93	64	64694	22.138	ug/L 99
9) Trichlorofluoromethane	3.26	101	80052	23.431	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	88857	21.929	ug/L 97
12) 1,1-Dichloroethene	4.04	96	81947	20.937	ug/L 86
13) Acetone	4.12	43	50994	67.165	ug/L 100
14) Carbon disulfide	4.39	76	235580	18.042	ug/L 98
15) Methyl Acetate	4.68	43	39767	24.210	ug/L 98
16) Methylene chloride	4.92	84	103725	25.747	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	138238	22.256	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	89416	21.317	ug/L 98
19) 1,1-Dichloroethane	6.22	63	165654	21.956	ug/L 99
21) 2-Butanone	7.18	43	60545	51.911	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	96218	21.989	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	44003	23.320	ug/L	100
25) Chloroform	7.68	83	173656	22.859	ug/L	99
27) 1,2-Dichloroethane	8.40	62	121654	23.671	ug/L	99
30) Cyclohexane	7.96	56	149117	19.566	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	149018	21.604	ug/L	99
32) Carbon tetrachloride	8.07	117	136740	21.614	ug/L	99
34) Benzene	8.33	78	372020	21.576	ug/L	100
35) Trichloroethene	9.09	95	100109	21.615	ug/L	99
36) Methylcyclohexane	9.34	83	170283	20.615	ug/L	99
40) 1,2-Dichloropropane	9.37	63	91878	21.639	ug/L	100
41) Bromodichloromethane	9.65	83	122359	21.571	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	146566	21.571	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	120082	48.246	ug/L	99
44) Toluene	10.39	91	417839	22.243	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	130122	22.006	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	70859	23.854	ug/L	96
47) Tetrachloroethene	10.86	164	82387	22.441	ug/L	94
49) 2-Hexanone	10.97	43	89288	53.147	ug/L	99
50) Dibromochloromethane	11.13	129	83717	23.196	ug/L	97
51) 1,2-Dibromoethane	11.24	107	68557	24.040	ug/L	96
52) Chlorobenzene	11.66	112	266481	22.616	ug/L	98
53) Ethylbenzene	11.73	91	481069	22.303	ug/L	100
54) m,p-Xylene	11.84	106	182913	22.599	ug/L	98
55) o-xylene	12.17	106	172399	22.439	ug/L	93
56) Styrene	12.18	104	300397	22.883	ug/L	98
57) Isopropylbenzene	12.46	105	481280	22.488	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	88275	25.668	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	66795	25.615	ug/L	99
62) Bromoform	12.35	173	47287	21.652	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	214770	22.391	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	212468	22.607	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	193280	23.188	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	14160	22.394	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	154633	23.286	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	129985	24.304	ug/L	97
69) Naphthalene	15.37	128	238612	24.570	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	111728	24.555	ug/L	97

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

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