

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081320\
 Data File : VW016180.D
 Acq On : 13 Aug 2020 17:29
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Aug 14 06:22:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 06:19:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	450129	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	408336	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	195403	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	96654	17.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.28%
7) Chloroethane-d5	2.89	69	77942	18.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.60%
10) 1,1-Dichloroethene-d2	4.01	63	233909	19.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.92%
20) 2-Butanone-d5	7.09	46	59299	40.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.76%
24) Chloroform-d	7.65	84	244234	20.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.88%
26) 1,2-Dichloroethane-d4	8.31	65	121914	19.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.00%
29) Benzene-d6	8.27	84	479824	21.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.40%
33) 1,2-Dichloropropane-d6	9.27	67	140152	21.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.84%
37) Toluene-d8	10.32	98	445380	21.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.44%
38) trans-1,3-Dichloropropene-	10.58	79	59565	20.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.16%
39) 2-Hexanone-d5	10.93	63	48325	42.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118623	22.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	150817	21.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	104151	22.904	ug/L	99
3) Chloromethane	2.21	50	89883	19.905	ug/L	100
5) Vinyl chloride	2.37	62	127796	21.323	ug/L	99
6) Bromomethane	2.78	94	77184	20.563	ug/L	100
8) Chloroethane	2.93	64	71401	21.157	ug/L	98
9) Trichlorofluoromethane	3.26	101	90636	21.187	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	139940	23.147	ug/L #	86
12) 1,1-Dichloroethene	4.03	96	135786	23.503	ug/L	93
13) Acetone	4.14	43	42022	37.827	ug/L	90
14) Carbon disulfide	4.38	76	413788	22.817	ug/L	99
15) Methyl Acetate	4.68	43	53836	20.611	ug/L	97
16) Methylene chloride	4.92	84	151333	21.292	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	176058	21.505	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	142594	23.464	ug/L	92
19) 1,1-Dichloroethane	6.21	63	240212	22.340	ug/L	96
21) 2-Butanone	7.18	43	68211	38.742	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	149218	23.276	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	68205	23.180	ug/L #	87
25) Chloroform	7.68	83	253413	22.153	ug/L	100
27) 1,2-Dichloroethane	8.40	62	156564	20.546	ug/L	98
30) Cyclohexane	7.96	56	215666	24.274	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	210711	22.457	ug/L	98
32) Carbon tetrachloride	8.07	117	199864	22.521	ug/L	97
34) Benzene	8.32	78	565462	24.014	ug/L	100
35) Trichloroethene	9.09	95	163693	25.853	ug/L	98
36) Methylcyclohexane	9.34	83	254092	24.360	ug/L	98
40) 1,2-Dichloropropane	9.37	63	136192	23.552	ug/L	100
41) Bromodichloromethane	9.65	83	178212	22.435	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	205971	23.388	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	152701	43.904	ug/L	98
44) Toluene	10.39	91	610650	24.566	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	182371	23.053	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	105226	23.117	ug/L	98
47) Tetrachloroethene	10.87	164	115787	24.393	ug/L	94
49) 2-Hexanone	10.97	43	106700	45.464	ug/L	98
50) Dibromochloromethane	11.13	129	121670	22.695	ug/L	100
51) 1,2-Dibromoethane	11.24	107	100420	23.271	ug/L	97
52) Chlorobenzene	11.66	112	388551	23.625	ug/L	98
53) Ethylbenzene	11.73	91	675529	23.953	ug/L	98
54) m,p-Xylene	11.84	106	262389	24.733	ug/L	93
55) o-xylene	12.17	106	248953	24.913	ug/L	91
56) Styrene	12.18	104	436244	25.216	ug/L	99
57) Isopropylbenzene	12.47	105	664262	24.655	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	122758	23.114	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	89699	22.293	ug/L	100
62) Bromoform	12.35	173	64979	21.991	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	288563	23.381	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	289922	23.060	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	266599	23.560	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	19327	19.478	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	187140	24.031	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	155017	24.560	ug/L	97
69) Naphthalene	15.37	128	325183	24.408	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	137769	24.026	ug/L	99

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

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