

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\
 Data File : VW016346.D
 Acq On : 24 Aug 2020 21:26
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Aug 25 05:32:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 05:29:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	280259	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	266838	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	127449	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	59459	19.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.48%
7) Chloroethane-d5	2.89	69	50745	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.36%
10) 1,1-Dichloroethene-d2	4.03	63	156794	22.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.24%
20) 2-Butanone-d5	7.08	46	40953	48.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.24%
24) Chloroform-d	7.65	84	176976	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	8.31	65	92585	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.36%
29) Benzene-d6	8.27	84	347829	23.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.40%
33) 1,2-Dichloropropane-d6	9.27	67	96986	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.12%
37) Toluene-d8	10.32	98	329878	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.88%
38) trans-1,3-Dichloropropene-	10.58	79	44840	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.16%
39) 2-Hexanone-d5	10.93	63	31436	47.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86333	25.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	119095	24.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	65439	21.250	ug/L	98
3) Chloromethane	2.21	50	54051	22.480	ug/L	97
5) Vinyl chloride	2.37	62	75830	23.156	ug/L	91
6) Bromomethane	2.78	94	51318	23.971	ug/L	99
8) Chloroethane	2.93	64	44023	24.109	ug/L	100
9) Trichlorofluoromethane	3.26	101	72464	20.448	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	94009	24.302	ug/L	99
12) 1,1-Dichloroethene	4.04	96	90300	24.270	ug/L	93
13) Acetone	4.12	43	31257	44.258	ug/L	99
14) Carbon disulfide	4.39	76	260212	23.589	ug/L	99
15) Methyl Acetate	4.67	43	37433	26.343	ug/L	98
16) Methylene chloride	4.92	84	106530	20.562	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	141213	25.958	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	97633	24.981	ug/L	94
19) 1,1-Dichloroethane	6.21	63	162332	25.209	ug/L	98
21) 2-Butanone	7.17	43	48443	48.143	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	105248	25.606	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	49116	26.052	ug/L	93
25) Chloroform	7.68	83	177944	25.659	ug/L	98
27) 1,2-Dichloroethane	8.40	62	112883	25.989	ug/L	99
30) Cyclohexane	7.96	56	134967	23.402	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	153475	23.914	ug/L	100
32) Carbon tetrachloride	8.07	117	146469	24.035	ug/L	99
34) Benzene	8.32	78	378829	24.751	ug/L	100
35) Trichloroethene	9.09	95	103416	23.864	ug/L	97
36) Methylcyclohexane	9.34	83	165767	23.432	ug/L	99
40) 1,2-Dichloropropane	9.37	63	89500	24.865	ug/L	100
41) Bromodichloromethane	9.65	83	126983	24.904	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	143435	24.338	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	108682	50.499	ug/L	99
44) Toluene	10.39	91	424348	25.459	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	129805	24.911	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	76123	25.622	ug/L	98
47) Tetrachloroethene	10.87	164	82499	24.141	ug/L	94
49) 2-Hexanone	10.97	43	72194	51.781	ug/L	99
50) Dibromochloromethane	11.13	129	92503	25.000	ug/L	97
51) 1,2-Dibromoethane	11.24	107	74365	25.572	ug/L #	96
52) Chlorobenzene	11.66	112	278425	25.010	ug/L	97
53) Ethylbenzene	11.73	91	484887	25.305	ug/L	98
54) m,p-Xylene	11.84	106	185610	25.205	ug/L	95
55) o-xylene	12.17	106	178751	25.837	ug/L	96
56) Styrene	12.18	104	305827	26.271	ug/L	99
57) Isopropylbenzene	12.47	105	485094	25.188	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	88992	25.670	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	65416	25.478	ug/L	98
62) Bromoform	12.35	173	52678	25.432	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	213229	24.825	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	216714	24.906	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	198213	25.844	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	15167	25.157	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	144215	24.331	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	121021	25.723	ug/L	99
69) Naphthalene	15.36	128	265130	28.688	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	108168	26.141	ug/L	97

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

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