

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022019\
 Data File : VW008757.D
 Acq On : 20 Feb 2019 13:40
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

Quant Time: Feb 21 06:47:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 20 13:48:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	425445	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	412769	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	217954	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	161248	24.36	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.44%
7) Chloroethane-d5	2.88	69	142472	23.98	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.92%
10) 1,1-Dichloroethene-d2	4.01	63	252983	22.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.92%
20) 2-Butanone-d5	7.08	46	98631	49.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.96%
24) Chloroform-d	7.65	84	233426	22.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.76%
26) 1,2-Dichloroethane-d4	8.31	65	134886	22.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.88%
29) Benzene-d6	8.27	84	475561	24.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.00%
33) 1,2-Dichloropropane-d6	9.27	67	138951	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.76%
37) Toluene-d8	10.32	98	499287	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.64%
38) trans-1,3-Dichloropropene-	10.58	79	70948	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.56%
39) 2-Hexanone-d5	10.93	63	82085	51.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	145096	24.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	197512	25.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	205703	25.169	ug/L	94
3) Chloromethane	2.21	50	213986	25.330	ug/L	97
5) Vinyl chloride	2.35	62	227527	26.270	ug/L	98
6) Bromomethane	2.77	94	141473	24.634	ug/L	100
8) Chloroethane	2.92	64	143543	24.752	ug/L	95
9) Trichlorofluoromethane	3.26	101	248256	23.969	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	141583	23.146	ug/L	97
12) 1,1-Dichloroethene	4.04	96	124937	23.543	ug/L	90
13) Acetone	4.12	43	103701	55.385	ug/L	100
14) Carbon disulfide	4.38	76	449349	24.504	ug/L	100
15) Methyl Acetate	4.67	43	88661	23.741	ug/L	95
16) Methylene chloride	4.91	84	148766	21.624	ug/L	91
17) Methyl tert-butyl Ether	5.43	73	341838	22.905	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	141073	24.146	ug/L	94
19) 1,1-Dichloroethane	6.21	63	235925	23.782	ug/L	98
21) 2-Butanone	7.17	43	138194	52.747	ug/L	94
22) cis-1,2-Dichloroethene	7.16	96	146428	23.368	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	65823	22.957	ug/L	90
25) Chloroform	7.67	83	243591	23.326	ug/L	100
27) 1,2-Dichloroethane	8.40	62	174702	23.004	ug/L #	95
30) Cyclohexane	7.95	56	239191	24.619	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	233350	24.488	ug/L	96
32) Carbon tetrachloride	8.07	117	211072	24.236	ug/L	98
34) Benzene	8.32	78	548511	24.495	ug/L	100
35) Trichloroethene	9.09	95	144651	23.933	ug/L	95
36) Methylcyclohexane	9.33	83	268612	25.046	ug/L	97
40) 1,2-Dichloropropane	9.37	63	134608	24.335	ug/L	100
41) Bromodichloromethane	9.64	83	177255	23.567	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	215743	24.044	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	250985	50.243	ug/L	96
44) Toluene	10.39	91	640585	24.884	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	195660	24.420	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	108426	23.444	ug/L	97
47) Tetrachloroethene	10.86	164	135935	24.705	ug/L	96
49) 2-Hexanone	10.97	43	202540	51.690	ug/L	94
50) Dibromochloromethane	11.13	129	132943	23.711	ug/L	97
51) 1,2-Dibromoethane	11.23	107	111125	23.754	ug/L	96
52) Chlorobenzene	11.66	112	425951	24.584	ug/L	97
53) Ethylbenzene	11.73	91	747823	25.001	ug/L	98
54) m,p-Xylene	11.84	106	289140	24.582	ug/L	96
55) o-xylene	12.16	106	274537	24.263	ug/L	97
56) Styrene	12.18	104	469206	24.725	ug/L	94
57) Isopropylbenzene	12.46	105	754914	25.010	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	149759	24.136	ug/L #	93
59) 1,2,3-Trichloropropane	12.77	75	112865	24.602	ug/L	100
62) Bromoform	12.35	173	82456	24.436	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	358238	25.183	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	361326	25.002	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	331098	25.128	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	29443	25.166	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	278966	24.907	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	241907	25.075	ug/L	97
69) Naphthalene	15.37	128	520923	26.228	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	220831	24.909	ug/L	97

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

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