

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020320\
 Data File : VW014830.D
 Acq On : 03 Feb 2020 12:42
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Quant Time: Feb 04 06:50:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 04 03:25:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	648361	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	595907	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	280252	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	261119	25.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.84%
7) Chloroethane-d5	2.89	69	212611	21.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.60%
10) 1,1-Dichloroethene-d2	4.01	63	484631	22.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.88%
20) 2-Butanone-d5	7.07	46	146840	38.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.94%
24) Chloroform-d	7.65	84	447250	21.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	8.31	65	246555	21.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.00%
29) Benzene-d6	8.27	84	912547	21.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.88%
33) 1,2-Dichloropropane-d6	9.27	67	294002	21.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.40%
37) Toluene-d8	10.32	98	805260	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.84%
38) trans-1,3-Dichloropropene-	10.57	79	118397	21.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.88%
39) 2-Hexanone-d5	10.92	63	108564	40.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	222365	20.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	246586	21.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	171392	20.991	ug/L	98
3) Chloromethane	2.21	50	246547	22.028	ug/L	99
5) Vinyl chloride	2.36	62	301277	26.778	ug/L	97
6) Bromomethane	2.78	94	156780	23.812	ug/L	99
8) Chloroethane	2.92	64	170458	23.335	ug/L	99
9) Trichlorofluoromethane	3.26	101	188940	28.845	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	228231	22.733	ug/L	99
12) 1,1-Dichloroethene	4.03	96	206827	21.843	ug/L	93
13) Acetone	4.12	43	151867	36.793	ug/L	98
14) Carbon disulfide	4.38	76	686337	23.882	ug/L	98
15) Methyl Acetate	4.67	43	131507	21.288	ug/L	100
16) Methylene chloride	4.91	84	257740	21.528	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	325051	27.050	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	221461	22.791	ug/L	97
19) 1,1-Dichloroethane	6.21	63	459102	23.268	ug/L	96
21) 2-Butanone	7.16	43	179459	40.515	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	235711	23.469	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	98875	23.022	ug/L	94
25) Chloroform	7.67	83	424501	23.566	ug/L	99
27) 1,2-Dichloroethane	8.40	62	292060	23.207	ug/L	99
30) Cyclohexane	7.95	56	424104	23.548	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	338574	24.211	ug/L	99
32) Carbon tetrachloride	8.07	117	299777	23.598	ug/L	99
34) Benzene	8.32	78	979184	23.466	ug/L	100
35) Trichloroethene	9.09	95	233272	22.636	ug/L	99
36) Methylcyclohexane	9.33	83	424431	23.515	ug/L	98
40) 1,2-Dichloropropane	9.37	63	262677	23.341	ug/L	100
41) Bromodichloromethane	9.64	83	298733	23.166	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	369420	23.583	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	361844	43.789	ug/L	99
44) Toluene	10.38	91	1003319	24.033	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	302204	23.444	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	169242	22.726	ug/L	98
47) Tetrachloroethene	10.86	164	176044	22.899	ug/L	97
49) 2-Hexanone	10.96	43	259429	45.501	ug/L	99
50) Dibromochloromethane	11.13	129	184130	22.999	ug/L	99
51) 1,2-Dibromoethane	11.23	107	157034	22.427	ug/L	95
52) Chlorobenzene	11.65	112	587974	23.086	ug/L	96
53) Ethylbenzene	11.73	91	1069275	23.638	ug/L	99
54) m,p-Xylene	11.83	106	404176	24.417	ug/L	98
55) o-xylene	12.16	106	372532	24.157	ug/L	99
56) Styrene	12.18	104	646219	24.608	ug/L	100
57) Isopropylbenzene	12.46	105	1019093	24.437	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	217133	22.211	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	166185	22.205	ug/L	99
62) Bromoform	12.35	173	101128	21.830	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	428289	22.785	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	431650	22.782	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	393893	23.017	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	34065	20.394	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	298668	22.425	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	231798	22.277	ug/L	99
69) Naphthalene	15.36	128	438705	20.780	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	212521	22.101	ug/L	99

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

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