

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041020\
 Data File : VW015178.D
 Acq On : 10 Apr 2020 13:20
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV03

Quant Time: Apr 10 13:45:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 13:10:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1294840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1136782	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	514631	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	274814	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.76%
7) Chloroethane-d5	2.89	69	203899	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.84%
10) 1,1-Dichloroethene-d2	4.03	63	715244	22.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.20%
20) 2-Butanone-d5	7.07	46	174776	41.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.46%
24) Chloroform-d	7.65	84	676766	22.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.64%
26) 1,2-Dichloroethane-d4	8.30	65	336879	22.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.12%
29) Benzene-d6	8.27	84	1427610	22.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.80%
33) 1,2-Dichloropropane-d6	9.27	67	430581	22.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.56%
37) Toluene-d8	10.32	98	1335527	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.64%
38) trans-1,3-Dichloropropene-	10.57	79	194247	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.56%
39) 2-Hexanone-d5	10.92	63	153379	44.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	316142	22.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	418204	22.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	231329	24.714	ug/L 98
3) Chloromethane	2.21	50	261603	22.514	ug/L 98
5) Vinyl chloride	2.37	62	356269	22.901	ug/L 99
6) Bromomethane	2.78	94	181261	22.528	ug/L 99
8) Chloroethane	2.93	64	176667	22.947	ug/L 99
9) Trichlorofluoromethane	3.26	101	267565	21.698	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	404723	22.708	ug/L 99
12) 1,1-Dichloroethene	4.04	96	402444	22.857	ug/L 97
13) Acetone	4.12	43	108220	40.760	ug/L 99
14) Carbon disulfide	4.39	76	1321680	22.646	ug/L 99
15) Methyl Acetate	4.67	43	153886	24.143	ug/L 97
16) Methylene chloride	4.92	84	398246	21.693	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	536367	22.711	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	409971	22.965	ug/L 99
19) 1,1-Dichloroethane	6.21	63	700253	22.770	ug/L 98
21) 2-Butanone	7.17	43	199488	46.082	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	425254	22.934	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	176663	23.195	ug/L	98
25) Chloroform	7.67	83	674001	22.546	ug/L	100
27) 1,2-Dichloroethane	8.40	62	411090	22.603	ug/L	98
30) Cyclohexane	7.95	56	716536	22.659	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	579853	22.522	ug/L	99
32) Carbon tetrachloride	8.07	117	531249	22.556	ug/L	98
34) Benzene	8.32	78	1622703	22.953	ug/L	100
35) Trichloroethene	9.09	95	416116	22.283	ug/L	99
36) Methylcyclohexane	9.34	83	765564	22.573	ug/L	99
40) 1,2-Dichloropropane	9.37	63	396996	23.016	ug/L	99
41) Bromodichloromethane	9.64	83	501041	22.595	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	632091	22.718	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	459571	44.731	ug/L	99
44) Toluene	10.38	91	1722590	23.125	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	539600	22.531	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	278598	22.674	ug/L	97
47) Tetrachloroethene	10.86	164	307029	22.960	ug/L	95
49) 2-Hexanone	10.96	43	296454	43.787	ug/L	98
50) Dibromochloromethane	11.13	129	330086	22.953	ug/L	99
51) 1,2-Dibromoethane	11.23	107	263691	22.767	ug/L	99
52) Chlorobenzene	11.65	112	1057799	23.116	ug/L	99
53) Ethylbenzene	11.73	91	1929710	23.033	ug/L	98
54) m,p-Xylene	11.83	106	739559	23.017	ug/L	100
55) o-xylene	12.16	106	710463	23.135	ug/L	99
56) Styrene	12.18	104	1200847	23.250	ug/L	98
57) Isopropylbenzene	12.46	105	1925190	23.221	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	319667	22.328	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	236565	22.361	ug/L	100
62) Bromoform	12.35	173	181806	22.065	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	779312	22.910	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	753081	22.792	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	699683	23.161	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	54983	21.977	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	546072	23.315	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	443091	23.704	ug/L	99
69) Naphthalene	15.36	128	915394	24.444	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	388647	23.880	ug/L	99

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

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