

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041420\
 Data File : VW015191.D
 Acq On : 14 Apr 2020 14:08
 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: Apr 15 01:40:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 15 01:38:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1056349	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	917132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	405781	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	265572	27.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.56%
7) Chloroethane-d5	2.89	69	213484	26.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.44%
10) 1,1-Dichloroethene-d2	4.02	63	575165	23.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.64%
20) 2-Butanone-d5	7.07	46	140520	45.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.90%
24) Chloroform-d	7.65	84	572039	24.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	8.31	65	276120	23.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.24%
29) Benzene-d6	8.27	84	1222672	24.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.72%
33) 1,2-Dichloropropane-d6	9.27	67	364765	24.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.88%
37) Toluene-d8	10.32	98	1135085	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.64%
38) trans-1,3-Dichloropropene-	10.57	79	155192	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	10.92	63	122564	46.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	252432	23.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	356496	25.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	241529	22.412	ug/L 94
3) Chloromethane	2.21	50	300256	23.188	ug/L 100
5) Vinyl chloride	2.37	62	337179	26.735	ug/L 98
6) Bromomethane	2.78	94	187037	26.377	ug/L 99
8) Chloroethane	2.93	64	174828	24.303	ug/L 95
9) Trichlorofluoromethane	3.26	101	232989	23.161	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	319930	22.329	ug/L 100
12) 1,1-Dichloroethene	4.04	96	308846	22.227	ug/L 92
13) Acetone	4.12	43	83299	37.159	ug/L 92
14) Carbon disulfide	4.38	76	992537	22.752	ug/L 99
15) Methyl Acetate	4.67	43	111199	21.607	ug/L 97
16) Methylene chloride	4.92	84	312159	21.247	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	410829	22.371	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	318736	22.368	ug/L 97
19) 1,1-Dichloroethane	6.21	63	550279	22.751	ug/L 96
21) 2-Butanone	7.16	43	143294	39.696	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	341681	22.956	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	138763	22.403	ug/L	97
25) Chloroform	7.67	83	538634	22.883	ug/L	99
27) 1,2-Dichloroethane	8.40	62	320217	22.764	ug/L	100
30) Cyclohexane	7.95	56	558604	22.485	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	466329	22.925	ug/L	100
32) Carbon tetrachloride	8.07	117	418602	22.472	ug/L	99
34) Benzene	8.32	78	1286277	22.860	ug/L	100
35) Trichloroethene	9.09	95	331612	22.768	ug/L	99
36) Methylcyclohexane	9.34	83	595718	22.166	ug/L	100
40) 1,2-Dichloropropane	9.37	63	312985	22.939	ug/L	100
41) Bromodichloromethane	9.64	83	393812	23.121	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	493751	23.006	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	336735	42.642	ug/L	100
44) Toluene	10.38	91	1376279	23.043	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	413266	22.763	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	212315	21.990	ug/L	98
47) Tetrachloroethene	10.86	164	249709	22.575	ug/L	97
49) 2-Hexanone	10.97	43	222200	42.627	ug/L	99
50) Dibromochloromethane	11.13	129	256819	22.610	ug/L	100
51) 1,2-Dibromoethane	11.23	107	201999	22.263	ug/L	97
52) Chlorobenzene	11.66	112	847714	23.001	ug/L	99
53) Ethylbenzene	11.73	91	1530755	22.860	ug/L	99
54) m,p-Xylene	11.84	106	586673	22.757	ug/L	98
55) o-xylene	12.16	106	561984	22.767	ug/L	100
56) Styrene	12.18	104	943869	22.885	ug/L	99
57) Isopropylbenzene	12.46	105	1511954	22.800	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	242702	21.914	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	173685	21.319	ug/L	99
62) Bromoform	12.35	173	137788	21.955	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	627418	23.546	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	605758	23.251	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	550993	23.313	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	38664	21.589	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	425943	23.419	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	347630	23.240	ug/L	98
69) Naphthalene	15.36	128	690002	23.080	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	298751	23.352	ug/L	99

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

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