

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020520\
 Data File : VW014875.D
 Acq On : 05 Feb 2020 15:44
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV05

Quant Time: Feb 06 02:46:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 05 15:37:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1059864	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	948490	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	429760	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	414010	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
7) Chloroethane-d5	2.89	69	333053	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.84%
10) 1,1-Dichloroethene-d2	4.02	63	763310	23.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.24%
20) 2-Butanone-d5	7.07	46	220069	44.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.38%
24) Chloroform-d	7.65	84	708968	23.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	8.30	65	384765	23.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.40%
29) Benzene-d6	8.27	84	1462595	23.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.92%
33) 1,2-Dichloropropane-d6	9.27	67	472174	23.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.04%
37) Toluene-d8	10.32	98	1299358	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.84%
38) trans-1,3-Dichloropropene-	10.57	79	187870	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.76%
39) 2-Hexanone-d5	10.92	63	170916	47.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	340070	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	388790	23.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	250949	23.031	ug/L	90
3) Chloromethane	2.21	50	398220	24.119	ug/L	98
5) Vinyl chloride	2.37	62	510627	23.686	ug/L	99
6) Bromomethane	2.78	94	259609	24.083	ug/L	100
8) Chloroethane	2.93	64	281923	23.901	ug/L	100
9) Trichlorofluoromethane	3.26	101	209168	24.002	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	366265	23.809	ug/L	99
12) 1,1-Dichloroethene	4.04	96	362259	24.095	ug/L	95
13) Acetone	4.12	43	210320	41.379	ug/L	99
14) Carbon disulfide	4.38	76	1084231	24.018	ug/L	100
15) Methyl Acetate	4.67	43	196923	23.544	ug/L	99
16) Methylene chloride	4.92	84	412197	21.348	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	490545	24.975	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	371247	24.371	ug/L	96
19) 1,1-Dichloroethane	6.21	63	766577	24.840	ug/L	98
21) 2-Butanone	7.17	43	267929	45.023	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	405262	24.596	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	163982	24.257	ug/L	98
25) Chloroform	7.67	83	706050	24.906	ug/L	100
27) 1,2-Dichloroethane	8.40	62	472004	24.150	ug/L	100
30) Cyclohexane	7.95	56	708995	25.087	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	532414	24.618	ug/L	99
32) Carbon tetrachloride	8.07	117	476969	24.535	ug/L	100
34) Benzene	8.32	78	1623741	24.895	ug/L	100
35) Trichloroethene	9.09	95	396658	24.535	ug/L	99
36) Methylcyclohexane	9.33	83	678912	24.107	ug/L	100
40) 1,2-Dichloropropane	9.37	63	433908	24.860	ug/L	100
41) Bromodichloromethane	9.64	83	500101	25.001	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	632203	25.508	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	551169	48.158	ug/L	100
44) Toluene	10.38	91	1663374	25.121	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	498923	24.998	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	274676	23.906	ug/L	99
47) Tetrachloroethene	10.86	164	279097	23.494	ug/L	95
49) 2-Hexanone	10.96	43	390423	48.565	ug/L	99
50) Dibromochloromethane	11.13	129	301741	24.435	ug/L	100
51) 1,2-Dibromoethane	11.23	107	256715	24.013	ug/L	98
52) Chlorobenzene	11.65	112	991345	24.488	ug/L	98
53) Ethylbenzene	11.73	91	1833728	25.315	ug/L	99
54) m,p-Xylene	11.83	106	673748	25.464	ug/L	99
55) o-xylene	12.16	106	644626	25.599	ug/L	99
56) Styrene	12.18	104	1101901	25.891	ug/L	98
57) Isopropylbenzene	12.46	105	1725943	25.521	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	342178	23.859	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	253143	23.461	ug/L	99
62) Bromoform	12.35	173	160646	24.521	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	718143	24.738	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	714557	24.436	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	661035	24.895	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	54103	23.897	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	507751	24.421	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	413904	25.196	ug/L	100
69) Naphthalene	15.36	128	843396	26.101	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	374230	24.672	ug/L	98

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

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